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<110> VERIDEX, LLC
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<120> METHODS AND REAGENT FOR THE DETECTION OF MELANOMA

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<213> Homo sapiens
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<211> 493
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<213> Homo sapiens
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ggggatatga ttcggatcct gtgaaggcct ggaaagaagc ccagcaaaag gttccagatg 240
aagaagaaaa tgaagagagt gacaacgaaa aggaaactga aaagagtgac tccgtaacag 300
attctggacc aaccttcaac tatcttcttg atatgcccct ttggtattta accaaggaaa 360
agaaagatga actctgcagg ctaagaaatg aaaaagaaca agagctggac acattaaaaa 420
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ctgttgaagc caaggaaaaa caagatgaac aagtcggact tcct 524

<210> 63
<211> 416
<212> DNA
<213> Homo sapiens
<400> 63
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gctaataagg ctttagtgta tttatttatt tatttatttt atttgttttt cattcatccc 180
attaatcatt tccccataac tcaatggcct aaaactggcc tgacttgggg gaacgatgtg 240
tctgtatttc atgtggctgt agatcccaag atgactgggg tgggaggtct tgctagaatg 300
ggaagggtca tagaaagggc cttgacatca gttcctttgt gtgtactcac tgaagcctgc 360
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<210> 64
<211> 556
<212> DNA
<213> Homo sapiens
<400> 64
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tgaaattaac atcactgatg tgtaatccag taaaatctcc ctttttcggg tgtgtatgtg 180
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cacttgacct gacagtgctc gctgagaact ctcaccaggt tggcgcctga atgccttact 300
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ttccctcttc ccctttataa attatgctaa agccacaaag cacatttttg gggatcatag 480
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<210> 65
<211> 453
<212> DNA
<213> Homo sapiens
<400> 65
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gtgacttaca gaaactgcat gaaaaatcat gggccagagc ctcggcccta gcattgcact 180
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tgctggtgtt cttattctgg cggcagcgcc tttcctgcca tgtttagtga atgacttttc 360
tcgcattgta gaattgtata tagactctgg tgttctattg ctgagaagca aaccgccctg 420
cagcatccct cagcctgtac cggtttggct ggc 453

<210> 66
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (360)..(361)
<223> n is a, c, g, or t
<400> 66
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caatgggaag cccgggggag gggtttggca tgaggaagcg ttggttacag cagctgattg 120
gctgcagcca agactgtgaa aggataaaga ggcgcgaggc ggaattgggg tctgctctaa 180
gctgcagcaa gagaaactgt gtgtgagggg aagaggcctg tttcgctgtc gggtctctag 240
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gagagtcctg gagccacagt ctttttttgct ttgcattgta ggagagggac taagtgctag 480
agactatgtc gctttcctga gctaccgaga gcgctcgtga actggaatca act 533

<210> 67
<211> 408
<212> DNA
<213> Homo sapiens
<400> 67
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atctatctaa atgccgattt gagttcgcga cactatgtac tgcgtttttc attcttgtat 120
ttgactattt aatcctttct acttgtcgct aaatataatt gttttagtct tatggcatga 180
tgatagcata tgtgttcagg tttatagctg ttgtgtttaa aaattgaaaa aagtggaaaa 240
catctttgta catttaagtc tgtattataa taagcaaaaa gattgtgtgt atgtatgttt 300
aatataacat gacaggcact aggacgtctg ccttttttaag gcagttccgt taagggtttt 360
tgtttttaaa ctttttttg ccatccatcc tgtgcaatat gccgtgta 408

<210> 68
<211> 526
<212> DNA
<213> Homo sapiens
<400> 68
ccctttggtc tggtgccagt tctggaaaac agtcagggtc agctgatcta cgagtctgcc 60
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tatgagaaag cttgccagaa gatgatctta gagttgtttt ctaaggtgcc atccttggta 180
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aagttaaatg agtgtgtaga ccacactcca aaactgaaac tgtggatggc agccatgaag 420
gaagatccca cagtctcagc cctgcttact agtgagaaag actggcaagg tttcctagag 480
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<210> 69
<211> 432
<212> DNA
<213> Homo sapiens
<400> 69
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gtagcctggg ctcactgtgc tggggcatgg cgggatcctc cacagagagg aggggaccaa 120
ttctggacag acagatgttg ggaggataca gaggagatgc cacttctcac tcaccactac 180
cagccagcct ccagaaggcc ccagagagac cctgcaagac cacggaggga gccgacactt 240

gaatgtagta ataggcaggg ggccctgcca ccccatccag ccagacccca gctgaaccat 300
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aaacctctcc tg 432

<210> 70
<211> 450
<212> DNA
<213> Homo sapiens
<400> 70
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gttgagaaag acagattcgt gaatgattat gacaaagata acgatggcag gcttgatccc 120
caagagctgt taccttgggt agtacctaat aatcagggca ttgcacaaga ggaggcactt 180
catctaattg atgaaatgga tttgaatggt gacaaaaagc tctctgaaga agagattctg 240
gaaaacccgg acttgtttct caccagtgaa gccacagatt atggcagaca gctccatgat 300
gactatttct atcatgatga gctttaatct ccgagcctgt ctcagtagag tactggctcc 360
ttttataatt tgttaccagc tttacttttg tgataaaata ttgatgttgt attttacact 420
cttaagtctt aaccacagtc agaattatct 450

<210> 71
<211> 477
<212> DNA
<213> Homo sapiens
<400> 71
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tctttcctaa atactccatc tgtttagtac tgtattgtgg aatatttgag ttctatttcc 120
agacttgaaa acatggagga ttttagagat gcctgaacaa tattatttaa gtagtatgtg 180
accgagctat aaatttttg tttttgttct aagtagattt aatttgggaa ctgacaggac 240
aatgttttta ggtttagcat tttgtttaaa aacctttaaa gaaaccttta gaaggactta 300
gacctcacat attaatgttg agaagttctg cttaatttta aaatggtttc tataaagggt 360
tttattgtat gaaatagaac tttatatttt tgcatatgta tagaggataa ttatatttaa 420
tgtataacta tagcattatg gtgagtggaa tttgacattg tccaaacctt tttcatt 477

<210> 72
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t
<400> 72
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ccagctgcgg atgggagctg ttcctggaca gccttctact gcctgggaag tgatggaaca 120
ggaactcagg gtgcccttac cccctcccca gacctgttcc ctttctttga ctgacagagc 180
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tttccacagg ctcgtctgtg tccctgccac tctgagttat ccagaaacca ccacctacaa 300
atgaggggac tcatctagaa gacctctaag gtccccttt ggctctgagg ggtctctaat 360
aatccccact tggaattcag caccgcaagg aaattatggg tatgtgagcc ataatatgat 420

ggccagcagg tngcgctgcc ttccacccat ggtgatggat ggtttggaaa gggaatgttg 480
gtgccttttg tgccaca 497

<210> 73
<211> 481
<212> DNA
<213> Homo sapiens
<400> 73
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tgcccagacg gaaggaatca acatcagtga ggaggcactg aaccacctgg gggagattgg 120
caccaagacc acactgaggt actcagtgca gctgctgacc ccggccaact tgcttgctaa 180
aatcaacggg aaggacagca ttgagaaaga gcatgtcgaa gagatcagtg aacttttcta 240
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gggcgcttgc ccctgggctt ggggctgccg tccccactca ggcgtgggct gcagcgctgt 420
cagttcagtg tggaaagcat ttctttttaa gttatcgtaa ctgttcctgt ggttgctttg 480
a 481

<210> 74
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t
<400> 74
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aagtagtatc tactttctaa atactacttt gcttttcagt agtggatttg atatttataa 120
tgttctctaa agcttgcaac tttttcagca acgtttaaaa atagattaac ctggaataac 180
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atacaacttt gaaaaaactt ttaaaaatct ctgatgtatg ggctcttttt ttcccataag 300
aattatgtac atctgtgatg ttttacaggg ggatccgctt ttaaacagtg tacatattgg 360
accacactga aatgtcatat atcctttctc tacttaaaat tggttattta ctgtgagttc 420
atttccgatg tgttcttggt tgttgctgtt ttctgcctga agacgtgta 469

<210> 75
<211> 455
<212> DNA
<213> Homo sapiens
<400> 75
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tttgcactga tgcgtgtatg gatgtgtgtg agtcagtggt agcttattta aaaagcacct 120
tatcctttct cccataacct ttgtacacta aaaaatgaaa gaatttagaa tgtatttgat 180
gatagcattc tcactaagac acatgagaat ttaactttat aaccgcgtga gttaagattt 240
aattcatagg ttttgatgtc attgttgaag ttatttgtaa ttcagaaacc ttgcttgtgt 300
gatacatagt aagtctcttc atttattact gcttgcctgt tgttatatct ggattatcaa 360
aagcaatagt gcaccaatta agatgtgctc aaatcaggac ttaaatcata ggcaccacat 420
ttttcatgtc agactagtta ctttgttgat tctca 455

<210> 76
<211> 525
<212> DNA
<213> Homo sapiens
<400> 76
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ctcaagctgc aaggcaaact ccattcctca tattaaacta ttacttctca tgacgtcacc 120
atttttaact gacaggatta gtaaaacatt aagacagcaa acttgtgtct gtctcttctt 180
tcattttccc cgccaccaac ttactttacc acctatgact gtacttgtca gtatgagaat 240
ttttctgaat catattgggg aagcagtgat tttaaaacct caagttttta aacatgattt 300
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aataggaaat ataagaattg gttatttggg ggctttttta cttactgtat ttaaaaatac 420
aagggtattg atatgaaatt atgtaaattt caaatgctta tgaatcaaat cattgttgaa 480
caaaagattt gttgctgtgt aattattgtc ttgtatgcat ttgag 525

<210> 77
<211> 397
<212> DNA
<213> Homo sapiens
<400> 77
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tttaagcacc aaattttgtt gttttttttt tctcccctcc ccacagatcc catctcaaat 120
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agatgggtgg gtcaaaaagg gatatcaaat gaagtgatag gggtcacaat ggggaaattg 360
aagtggtgca taacattgcc aaaatagtgt gccacta 397

<210> 78
<211> 329
<212> DNA
<213> Homo sapiens
<400> 78
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cagttccgca aggaggacat gttcaaggac aactttgatg agatggacac atccagggag 120
attgtgcagc agctcatcga tgagtaccat gcggccacac ggccagacta catctcctgg 180
ggcacccagg agcagtgagt cccccaggac aggggaccct catctgcctt actggttggc 240
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ttctcatata catggactct ctgttggcc 329

<210> 79
<211> 535
<212> DNA
<213> Homo sapiens
<400> 79
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gaaccgtata tcctatggcc ctgactggaa ggatttctac gtagtggaac ccctggcatt 120
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aatggtagtg gagccaggct tccactgcat cctggccagg ggacggagcc ccttgccttc 480
gtgccccttg cctgcgtgcc cctgtgcttg gagagaaagg ggccggtgct ggcgc 535

<210> 80
<211> 537
<212> DNA
<213> Homo sapiens
<400> 80
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tgggacctaa gagccagagg ctgtgtagag gctcctgctc cacctgccag tctcgtaaga 480
gatggggttg ctgcagtgtt ggagtagggg cagagggagg gagccaaggt cactcca 537

<210> 81
<211> 483
<212> DNA
<213> Homo sapiens
<400> 81
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gccgcccagc gcctggccga ggagaaggcc caggccagct ccatccccgt gggcagccgc 120
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gtgtgcccat ggccctttc tcctgacccc attttaattt tattcatttt ttcctttgcc 480
att 483

<210> 82
<211> 505
<212> DNA
<213> Homo sapiens
<400> 82
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<210> 83
<211> 299
<212> DNA
<213> Homo sapiens
<400> 83
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aactgctgat atctgatgac tgctttgtgc tggacaacgg gctctgtggc aagatctat 299

<210> 84
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t
<400> 84
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tgtttaaata aatatgttag atacacgtgt atacatacac ccatatacaa cagatccaag 240
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<210> 85
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t
<400> 85

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caggaacgca ccctctctgt ggagctctga ctggtgtanc tggaaacaaa cagcaacttg 360
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<210> 86
<211> 441
<212> DNA
<213> Homo sapiens
<400> 86
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cagcctgcct ctgctcggct actcgctcac catcccctct gagtccgaga acatccagaa 180
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agtggctgct ttcctggaag acgtttcctt tcttctgtat taatgaagcc tggtaaaatt 420
aacacctgtc tgaaaatcaa a 441

<210> 87
<211> 467
<212> DNA
<213> Homo sapiens
<400> 87
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gaatcaggat catgccttaa aaagaaaact tttgttaaag tattccactg aaatcacaga 360
tatttgtggg tattataaca atcattggaa agcatggaga gctacatttc ataatttgag 420
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<210> 88
<211> 527
<212> DNA
<213> Homo sapiens
<400> 88
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<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<211> 481
<212> DNA
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<211> 393
<212> DNA
<213> Homo sapiens
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<210> 94
<211> 564
<212> DNA
<213> Homo sapiens
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<210> 95
<211> 474
<212> DNA
<213> Homo sapiens
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<210> 96
<211> 448
<212> DNA
<213> Homo sapiens
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<210> 97
<211> 271
<212> DNA
<213> Homo sapiens
<400> 97
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<210> 98
<211> 344
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (108)..(113)
<223> n is a, c, g, or t
<400> 98
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<210> 99
<211> 497

<212> DNA
<213> Homo sapiens
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tgtaccattc tgtacta 497

<210> 100
<211> 540
<212> DNA
<213> Homo sapiens
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<210> 101
<211> 329
<212> DNA
<213> Homo sapiens
<400> 101
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<210> 102
<211> 540
<212> DNA
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<211> 513
<212> DNA
<213> Homo sapiens
<400> 103
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<210> 104
<211> 529
<212> DNA
<213> Homo sapiens
<400> 104
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<210> 105
<211> 524
<212> DNA
<213> Homo sapiens
<400> 105
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<211> 532
<212> DNA
<213> Homo sapiens
<400> 106
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<211> 402
<212> DNA
<213> Homo sapiens
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<210> 108
<211> 504
<212> DNA
<213> Homo sapiens
<400> 108
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<211> 512
<212> DNA
<213> Homo sapiens
<400> 109
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<210> 110
<211> 212
<212> DNA
<213> Homo sapiens
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<211> 337
<212> DNA
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<210> 112
<211> 330
<212> DNA
<213> Homo sapiens
<400> 112
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<211> 454
<212> DNA
<213> Homo sapiens
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<210> 114
<211> 459
<212> DNA
<213> Homo sapiens
<400> 114
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<211> 371
<212> DNA
<213> Homo sapiens
<400> 115
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<212> DNA
<213> Homo sapiens
<400> 117

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<211> 487
<212> DNA
<213> Homo sapiens
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<211> 476
<212> DNA
<213> Homo sapiens
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<211> 419
<212> DNA
<213> Homo sapiens
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<211> 438
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<213> Homo sapiens
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<211> 471
<212> DNA
<213> Homo sapiens
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<211> 475
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<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 477
<212> DNA
<213> Homo sapiens
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<211> 460
<212> DNA
<213> Homo sapiens
<400> 128
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<212> DNA
<213> Homo sapiens
<400> 129
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<213> Homo sapiens
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<212> DNA
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<210> 142
<211> 433
<212> DNA
<213> Homo sapiens
<400> 142
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tgctttgcgg gcatgcagac ggttaaatga ttttgctagt ctagttcgaa tcctagaggt 180
tgttaaggac aaagcaggac ctcataagga aatctacccc tatgtcatcc aggaacttag 240
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aaccgcatgg atgggcttcc ccaaggattt attgacattg ctacttgagt gtgaacagtt 360
acctggaaat actgatgata acatattacc ttattttgaa caagtttccc tttattgagt 420
accaagccat gta 433

<210> 143
<211> 512
<212> DNA
<213> Homo sapiens
<400> 143
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cgccacctcc tggagtgcgt tttccgtgtc ttcacccgcg gtcgtattgg agaccgtcaa 180
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cagccacgtg gactgctggc tgcacttgtc gctgccggtt caggaggcca tcctctgcga 300
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ccttttctcc cttccaagtg ctgtccctgt tgctcgtgct tcagcctccg ccacactgag 420
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<210> 144
<211> 500
<212> DNA
<213> Homo sapiens
<400> 144
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tgcatgacaa ctcgtgtgta tgagaaggag ggatatgaag gaagatggct tgcagagtaa 240
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aaaaggaagt atttctccca aaattgggag taggcaaact actaatcagt ttagctttgt 360
gttgtatgct agtttaaaaa agaaaatatg taatataatg taaaaaaaaa caaaaaaaag 420
cttttatgat ggattttgta aatagatttg ttacagggtg acctgttctc tagctgtgat 480
cttaccactt caaatgggtg 500

<210> 145

<211> 512
<212> DNA
<213> Homo sapiens
<400> 145
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gagaattctt agcatacatt cagacgtttt ttctgcacaa taataagtcc atctgtcact 180
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cattgtgaat gctgtgggaa ggcaatttct ctgcacacaa gaggctacgt tttggaagtg 300
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tgaacaaaat taaacttcaa aaaaatctaa cagtaacaca cccctgcttg ggaccctagc 420
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catgttgatt tcctatgtat tctgggtatt ct 512

<210> 146
<211> 562
<212> DNA
<213> Homo sapiens
<400> 146
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tcaactgctt gcttttccca ggcttgcctt tagtgtcatg taagacattt ttaagttata 180
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tgcacagtgc ctgtcaaaca ga 562

<210> 147
<211> 465
<212> DNA
<213> Homo sapiens
<400> 147
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gcctgcagta atgtcagcga gaatggctgg ctgaaggcgg tgcaggtcct catggtgctc 180
tccctcattc tctgctgtct ctccttcatc ctgttcatgt tccagctcta caccatgcga 240
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ggcagcttcg gatactgctt cgccctggcc tgggtggcct tcccccctcgc cctggtcagc 420
ggcatcatct acatccacct acggaagcgg gagtgagcgc cccgc 465

<210> 148
<211> 493
<212> DNA
<213> Homo sapiens
<400> 148
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taagtgtaga ggggtctctg ttgtagaata gctcttaatt ttagagaaac cttcctggag 120
ggaaaccata ctcctataat gagcaaagta acaacttcaa gcatttttcc agcgttacca 180
tcaaactcac aaataggttg aaatccttta gttataactc agcctttagg aacaccggag 240
aacccacaat aatagaaatc ttttcgtgtt ccccattgag aaatgcttta gttagcatct 300
tcatgcttgg aaatctagac aagaagagaa tccatggatg gacatggtcg aggaattcgg 360
aaagcctgca gttgacattc agtcttcact tgaaactcaa aactgacact aggaacagct 420
tcatgagttc agtagaagta agctttattt gtagcttctg ccttgtttga cggcgtatct 480
attcagggaa gcg 493

<210> 149
<211> 480
<212> DNA
<213> Homo sapiens
<400> 149
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gctcttgggc actgctcagg ccgtttctgc tgacttgcct ggcttacaat aaatgcccaa 180
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cacttcctct ctacacccca acacctggtt catttgatta aagcggagaa aactccaggg 420
tgctatgact gctctggcac ccttggatca ggccaagcta gacttttttct gagccttcat 480

<210> 150
<211> 483
<212> DNA
<213> Homo sapiens
<400> 150
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tattgttact ggtaccaaga ctactaggga aatgcctttg tactttaggg aagtacttttt 180
ggcattttac tgtacagaca gaaaaaactg agatgtagcc cctctcctgg aagtgctaat 240
tttgaaaaac tgctcatatg atgtacatgt actgattact gcctatttta ataaacactc 300
ttgaaaaatg catgttgccc tgttgctgcc tgccctattc tcctcatctc cccatcattg 360
gtacccactt gcttttaaaa tccactttat cttgaataat gtaagacaaa tatgttctga 420
cataagtatt taattcatgt tgccttgcat aatggtcaga ggcgcatgaa tttgtgaagg 480
tgg 483

<210> 151
<211> 145
<212> DNA
<213> Homo sapiens
<400> 151
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ctataatctt gtgccgtgga aatcagaagg gcaaaacgaa gcagtcatga tgagaagcac 120
acctcagaaa tcaggacatc ccccc 145

<210> 152
<211> 539
<212> DNA

<213> Homo sapiens
<400> 152
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cagggtagca ccatggcagg actgggggaa ctggagtgtc cttgctgtat ccctgttgtg 180
aggttccttc caggggctgg cactgaagca agggtgctgg ggccccatgg ccttcagccc 240
tggctgagca actgggctgt agggcagggc cacttcctga ggtcaggtct tggtaggtgc 300
ctgcatctgt ctgccttctg gctgacaatc ctggaaatct gttctccaga atccaggcca 360
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gctgcaacat acctcaatcc tgtcccaggc cggatcctcc tgaagccctt ttcgcagcac 480
tgctatcctc caaagccatt gtaaatgtgt gtacagtgtg tataaacctt cttcttctt 539

<210> 153
<211> 390
<212> DNA
<213> Homo sapiens
<400> 153
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tatttattaa gactttcttc agagtatgaa agtacaaaaa gtctagttac agtggattta 120
gaatatattt atgttgatgt caaacagctg agcaccgtag catgcagatg tcaaggcagt 180
taggaagtaa atggtgtctt gtagatatgt gcaaggtagc atgatgagca acttgagttt 240
gttgccactg agaagcaggc gggttgggtg ggaggaggaa gaaagggaag aattaggttt 300
gaattgcttt ttaaaaaaaa aagaaaagaa aaagacagca tctcactatg ttgccaaggc 360
tcatcttgag aagcaggcgg gttgggtggg 390

<210> 154
<211> 398
<212> DNA
<213> Homo sapiens
<400> 154
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aatggcaata aggactccga atacataata aaagcaaaca gaacactcca acttagagca 180
ataacggctg ccgcagcagc cagggaagac cttggtttgg tttatgtgtc agtttcactt 240
ttccgataga aatttcttac ctcatttttt taagcagtaa ggcttgaagt gatgaaaccc 300
acagatccta gcaaatgtgc ccaaccagct ttactaaagg gggaggaagg gagggcaaag 360
ggatgagaag acaagtttcc cagaagtgcc tggttctg 398

<210> 155
<211> 562
<212> DNA
<213> Homo sapiens
<400> 155
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cagcaagttt tgtttaacag caaaaaagga agattaatgc aggtgttata gaagccagaa 120
gagaaactgt gtcaccctaa agaagcatat aatcatagca ttaaaaatgc acacattact 180
ccaggtggaa ggtggcaatt gctttctgat atcagctcgt ttgatttagt gcaaaaatgt 240
tttcaagact atttaatgga tgtaaaaaag cctatttcta cattatacca actgagaaaa 300
aaatggtcgg taaagtgttc tttcataata aataatcaag acatggtccc atttgcagga 360
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tgggcgcccc tgcattgctg ggatgtttct gcccacggtt ttgtttgtgc aataacgtta 480
tcacatttct aatgaggatt cacattaata taatataaaa taaataggtc agttactggt 540
ctctttctgc cgaatgttat gt 562

<210> 156
<211> 268
<212> DNA
<213> Homo sapiens
<400> 156
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tgtaacttat tgggttggcg aagcctggta aagctgttgg aatgagtatg tgattctttt 120
taagtatgaa aataaagata tatgtacaga cttgtatttt ttctctggtg gcattccttt 180
aggaatgctg tgtgtctgtc cggcaccccg gtaggcctga ttgggtttct agtcctcctt 240
aaccacttat ctcccatatg agagtgtg 268

<210> 157
<211> 490
<212> DNA
<213> Homo sapiens
<400> 157
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agcgtgctat gacattgacg tggaggtgga ggagccatta aaggggcaga tgagcagctt 120
cctcctatcc acggccaacc agcaggagat cagtcctctg gacagtaaga tccatgagac 180
gattgagtcc ataaaccagc tcaagatcca gagggacttc atgctaagct tctccagaga 240
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cagccgtgtc 490

<210> 158
<211> 496
<212> DNA
<213> Homo sapiens
<400> 158
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ccaaacaagt acctaaaact catctgatgt ctgaagagga gtggaggaga cttggtgtcc 180
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ttagacgacc tcttccaaaa gatcaacaaa aatgaagttt atctggggat cgtcaaatct 300
ttttcaaatt taatgtatat gtgtatataa ggtagtattc agtgaatact tgagaaatgt 360
acaaatcttt catccatacc tgtgcatgag ctgtattctt cacagcaaca gagctcagtt 420
aaatgcaact gcaagtaggt tactgtaaga tgtttaagat aaaagttctt ccagtcagtt 480
tttctcttaa gtgcct 496

<210> 159
<211> 508
<212> DNA
<213> Homo sapiens
<400> 159

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aacccttcct gatcctggag aggcagggat agtaaataaa ttgctcttcc taccccatcc 180
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aggcaaacac actgatgtag gaagcacgag gaaaggaaga cgttttgata tagtgttact 360
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ggaaactgct ttgcactatc gtttgctt 508

<210> 160
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t
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ccatgcactt taccagctca acgcatccac tctctgttct cttggcaggg cgggggaggg 120
gggataggag gtccccttc ccctaggtgg tctcataatt ccatttgtgg agagaacagg 180
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catcaatgtc nctgtccccc ctgggtccag ccaagctgtg ccccatcccc caagcctcct 300
gggaggatcc agccaaatct tgcgactcct ggcacacacc tgtctgtaac ctgttttgtg 360
ctctgaaagc 370

<210> 161
<211> 544
<212> DNA
<213> Homo sapiens
<400> 161
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ttataacccg tctaaacgat tgcaaaattc ctcctttggt tttggaagca gcgtttgctc 180
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ggagtggacc cgctggtctt tggcattttg tatttagaat tattctaact ttatacataa 480
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atta 544

<210> 162
<211> 412
<212> DNA
<213> Homo sapiens
<400> 162
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aaagactgaa tcaggccttc ccttcttctt ggtggtgttc ttgagtaaga taatctggac 360
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<210> 163
<211> 569
<212> DNA
<213> Homo sapiens
<400> 163
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tcgaaaagtg aaaataatat taggacgaaa tagaaaagaa aatctggaac caaatgctga 120
atttgataaa agaactgaat ttattacaca agaagaaaac agaatttgta gttcaccggt 180
acagtcttta ctagacttgt ttcagactag tgaagagaaa tcagaatttt tgggtttcac 240
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gaatttaaaa aatgcatact tttcagaagt gataaggatc atattcttga aatttttata 420
aatatgtatg gaaattctta ggatttttt accagctttg tttacagacc caaatgtaaa 480
tattaaaaat aaatatttgc aattttctac agaattgaat acctgttaaa gaaaaattac 540
agaataaact tgtgactggt cttgtttta 569

<210> 164
<211> 375
<212> DNA
<213> Homo sapiens
<400> 164
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agctggccaa tgctgggcgg cctcttttc ccggcaatga tgtcgatgac cagttgaaga 180
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cagactataa gccctatccg atgtacccgg ccacaacatc cctggtgaac gtcgtgccca 300
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gtatctcagc agaag 375

<210> 165
<211> 549
<212> DNA
<213> Homo sapiens
<400> 165
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taaaaatatt tctttaaaag aaggatgaac aattatattt atatttcagg ttatatccaa 420
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caccttgggg ttttgtaatg acagtgctaa aaaaaaagca ttttttttt atgatttgtc 540

tctgtcacc 549

<210> 166
<211> 230
<212> DNA
<213> Homo sapiens
<400> 166
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ttttcattgg atgcagttgt atagttttac actctagtgc catatatttt taagactttt 120
ctttccttaa aaaataaagt acgtgtttac ttggtgagga ggaggcagaa ccagctcttt 180
ggtgccagct gtttcatcac cagactttgg ctcccgcttt ggggagcgcc 230

<210> 167
<211> 329
<212> DNA
<213> Homo sapiens
<400> 167
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ttccgtcttt tggattgcag ctccactga 329

<210> 168
<211> 437
<212> DNA
<213> Homo sapiens
<400> 168
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caagccacct actgccagga attggagcct cagttccctc ctgtgtcaag tagctaactg 180
cagcagctgg actgagggca gagtctgtgg gtgcagagac cctgcatgta ggtcacaggt 240
tgaggcccag ccactctccc tggggcctgg tgggtaggca agtagctctg gggccacctc 300
aagtgaccaa atgctattaa tttccatcct ttagcaggct gggccctagg caggaagctg 360
gcttctggga gaggagtgag aacgtgcagg gcctgcctag cttgcgtgct tgaggaaggt 420
ggcattccgt gcttgcc 437

<210> 169
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t
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<222> (59)..(59)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t
<400> 169
gccttctggg aacctatgga gaaagggaat ccaaggaagc agccaaggct gntcgcagnt 60
tccctgagct gcacctcttg ctaaccccac catcacactg ccaccctgcc ctagggtctc 120
actagtacca agtgggtcag cacagggctg aggatggggc tcctatccac cctggccagc 180
acccagctta gtgctgggac tagcccagaa acttgaatgg gaccctgaga gagccagggg 240
tcccctgagg cncccctagg ggctttctgt ctgccccagg gtgctccatg gatctccctg 300
tggcagcagg catggagagt cagggctgcc ttcatggcag taggctctaa gtgggtgact 360
ggccacaggc cgagaaaagg gtacagcctc taggtggggt tcccaaagac gccttcaggc 420
tggactgagc tgctctccca cagggtttct gtgcagctgg attttctctg ttgcatacat 480
gcctggcatc tgtctcccct tgttcctgag tgnccccaca tggggctctg agcaggctgt 540
atctggattc tggc 554

<210> 170
<211> 309
<212> DNA
<213> Homo sapiens
<400> 170
ctcggaattc cctgaagcaa cactgccaga agtgtgtttt ggtatgcact ggttccttaa 60
gtggctgtga ttaattattg aaagtggggt gttgaagacc ccaactacta ttgtagagtg 120
gtctatttct cccttcaatc ctgtcaatgt ttgctttatg tattttgggg aactgttgtt 180
tgatgtgtat gtgtttataa ttgttataca tttttaattg agccttttat taacatatat 240
tgttattttt gtctcgaaat aatttttag ttaaaatcta ttttgtctga tattggtgtg 300
aatgctgta 309

<210> 171
<211> 302
<212> DNA
<213> Homo sapiens
<400> 171
cctccctatc gtctgaacag ttgtcttcct cagcctcctc ccgcccccac cttgggaatg 60
taaatacacc gtgactttga aagtttgtac ccctgtcctt ccctttacgc cactagtgtg 120
taggcagatg tctgagtccc taggtggttt ctaggattga tagcaattag ctttgatgaa 180
cccatcccag gaaaaataaa aacagacaaa aaaaaaggaa agattggttc tcccagcact 240
gctcagcagc cacagcctcc ctgtatgcct gtgcttggtc tactgataag ccctctacaa 300
aa 302

<210> 172
<211> 491
<212> DNA
<213> Homo sapiens
<400> 172

tgctctgccc cagcttgggc agatctccca catgccaggg gcctttgggt gctgttttgc 60
cagcccattt gggcagagag gctgtggttt gggggagaag aagtaggggt ggcccgaaag 120
ggtctccgaa atgctgtctt tcttgctccc tgactggggg cagacatggt ggggtctcct 180
caggaccagg gttggcacct tccccctccc ccagccactc cccagccagc ctggctggga 240
ctgggaacag aactcggtgt ccccaccatc tgctgtcttt tctttgccat ctctgctcca 300
accgggatgg gagccgggca aactggccgc gggggcaggg gaggccatct ggagagccca 360
gagtcccccc actcccagca tcgcactctg gcagcaccgc ctcttcccgc cgcccagccc 420
accccatggc cggctttcag gagctccata cacacgctgc cttcggtacc caccacacaa 480
catccaagtg g 491

<210> 173
<211> 122
<212> DNA
<213> Homo sapiens
<400> 173
ccggggctgg ttttctatga acgattccgg cctgggatgc gggccaggct gcaggcggca 60
tagttgggcc cattcgtcct ggaaagggac tgggggtcc caacttagcc ctgggtgggc 120
cg 122

<210> 174
<211> 536
<212> DNA
<213> Homo sapiens
<400> 174
attccgatcc caatgagcaa gtgacaagaa aaaacatgct cctggctaca aaacagatat 60
gcaaagagtt caccgacctg ctggctcagg accgatctcc cctggggaac tcacggccca 120
accccatcct ggagcccggc atccagagct gcttgaccca cttcaacctc atctcccacg 180
gcttcggcag ccccgcggtg tgtgccgcgg tcacggccct gcagaactat ctcaccgagg 240
ccctcaaggc catggacaaa atgtacctca gcaacaaccc caacagccac acggacaaca 300
acgccaaaag cagtgacaaa gaggagaagc acagaaagtg aggctctcct cccgccccgc 360
ccctcccacg cctcaccagc cccccgcgcg cccaccctcc ggcgggtgac agctccggga 420
tcagcaaccc ttcctgctgc tgctactgct gctgctgctg ccgccgccgc cgccgccgct 480
gcccttgggt ccccccgagt ctccgggact gccctctcga ctgtcagtgg ggcagc 536

<210> 175
<211> 487
<212> DNA
<213> Homo sapiens
<400> 175
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tttgttgaaa atcacggacc tcagctacat catacactga cccagagcaa agctttccct 120
atggttcaaa gacaactagt attcaacaaa ccttgtatag tgtatgtttt gccatattta 180
atattaatag cagaggaaga ctccttttt catcactgta tgaatttttt ataatgtttt 240
tttaaaatat atttcatgta tacttataaa ctaattcaca caagtgtttg tcttagatga 300
ttaaggaaga ctatatctag atcatgtctg atttttatt gtgacttctc cagccctggt 360
ctgaatttct taaggtttta taaacaaatg ctgctattta ttagctgcaa gaatgcactt 420
tagaactatt tgacaattca gactttcaaa ataaagatgt aaatgactgg ccaataataa 480
ccatttt 487

<210> 176

<211> 504
<212> DNA
<213> Homo sapiens
<400> 176
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tctccggggt gtgtcccggc gactccgcca aggcggcggg cgccaaggag cagagggact 120
cggacttggc ggccgagagt aacttccgga tctacccctg gatgcgaagc tcaggaactg 180
accgcaaacg aggccgccag acctacaccc gctaccagac cctggagctg gagaaagaat 240
ttcactacaa tcgctacctg acgcggcggc ggcgcatcga gatcgcgcac acgctctgcc 300
tcacggaaag acagatcaag atttggtttc agaaccggcg catgaagtgg aaaaaggaga 360
acaagaccgc gggcccgggg accaccggcc aagacagggc tgaagcagag gaggaagagg 420
aagagtgagg gatggagaaa gggcagagga agagacatga gaaagggaga ggaagagaag 480
cccagctctg ggaactgaat cagg 504

<210> 177
<211> 356
<212> DNA
<213> Homo sapiens
<400> 177
gaatcaggaa actcaaatcg aatagggaag taaaaaaaca aaacaaaaaa caaaaaaaaa 60
caaaaaaaaa ccctatttaa atgaaaggag tttaaaaaca ttttttaagg agggagaaag 120
gagaaatttt ggtttttcaa cactgaaaaa atagtaccta taggaaagtc tgtcaggttt 180
ggtttttttg tacaatatga aaaggacatt atctacctgt tctgtagctt tctggaattt 240
acctcccctt ttctatgttg ctattgtaag gtctttgtaa aatcttgcag ttttgtaagc 300
cctctttaat gctgtctttg tggactgtgg gtctggacta accctgtggt tgcctg 356

<210> 178
<211> 225
<212> DNA
<213> Homo sapiens
<400> 178
ccgagctgaa gaaccagcgg ctcaaggagg ttttccagac caagatccag gagttccgca 60
aggcctgcta cacgctcacc ggctaccaga tcgacatcac cacggagaac cagtaccggc 120
tgacctcgct gtacgccgag cacccaggcg actgctcatc ttcaaggcca ccagcccctc 180
gggttccaag atgcagctac tggagacaga gttctcacac accgt 225

<210> 179
<211> 380
<212> DNA
<213> Homo sapiens
<400> 179
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actaaatatg ggaatgtcta acttaaatag ctttgagatt tcagctatgc tagaggcttt 120
tattagaaag ccatattttt ttctgtaaaa gttactaata tatctgtaac actattacag 180
tattgctatt tatattcatt cagatataag atttgtacat attatcatcc tataaagaaa 240
cggtatgact taattttaga aagaaaatta tattctgttt attatgacaa atgaaagaga 300
aaatatatat ttttaatgga aagtttgtag cattttttcta ataggtactg ccatattttt 360
ctgtgtggag tatttttata 380

<210> 180

<211> 440
<212> DNA
<213> Homo sapiens
<400> 180
tgcctgctgg ggattactcg atcaaaacct tccttccctg gctacttccc ttcctcccgg 60
ggccttcctt ttaggtgctg gagctggagg ggtggggagc tagaggccac ctatgccagt 120
gctcaaggtt actgggagtg tgggctgccc ttgttgcctg cacccttccc tcttccctct 180
ccctctctct gggaccactg ggtacaagag atgggatgct ccgacagcgt ctccaattat 240
gaaactaatc ttaaccctgt gctgtcagat accctggttt tctggagtca cagtcagtga 300
ggaggatgtg gtaagaggag gcagagggca ggggtgctgt ggacatgtgg gtggagaagg 360
gagggtggcc agcactagta aaggaggaat agtgcttgct ggccacaagg aaaaggagga 420
ggtgtctggg gtgagggagt 440

<210> 181
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t
<400> 181
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cttagaacag atggctgtga aaattacacc catgcacaga acaagccaca ggaataatag 120
ttcaggattt ggtttttctc tttttcttgt aaacctggag ggttgatata ttctttccat 180
gcagttatta gaacttagtt ttgttccaac agttaaactt gcaatgaaaa gaaaatgtgc 240
catttttttc actcagaatt attcatagct gtatatttga aactgctaat tacacacgtg 300
tgatgtatgt tggttttta gtgcaatttc ttctgtagct attctttgac caaactgtgg 360
gtattgttaa tattaattta tatttgtctc attttgtatg tatgtgtagt gtgtttgtga 420
gtatgtgtgg tttataatct gacaaagtca tgaagctcag tttggctgta atttaattcc 480
ccttccctta tttttattta tttttgtact gtgctgat 518

<210> 182
<211> 538
<212> DNA
<213> Homo sapiens
<400> 182
caggtatgtt gcctttatgg tttccccctt ctacatttct tagactacat ttagagaact 60
gtggccgtta tctggaagta accatttgca ctggagttct atgctctcgc acctttccaa 120
agttaacaga ttttggggtt gtgttgtcac ccaagagatt gttgtttgcc atactttgtc 180
tgaaaaattc ctttgtgttt ctattgactt caatgatagt aagaaaagtg gttgttagtt 240
atagatgtct aggtacttca ggggcacttc attgagagtt ttgtcttgcc atactttgtc 300
tgaaaaattc ctttgtgttt ctattgactt caatgatagt aagaaaagtg gttgttagtt 360
atagatgtct aggtacttca ggggcacttc attgagagtt ttgtcaatgt cttttgaata 420
ttcccaagcc catgagtcct tgaaaatatt ttttatatat acagtaactt tatgtgtaaa 480
tacataagcg gcgtaagttt aaaggatgtt ggtgttccac gtgttttatt cctgtatg 538

<210> 183
<211> 498

<212> DNA
<213> Homo sapiens
<400> 183
tcagtctctc aaagacccca tggtccatcc cctgagggtg gtcagccaag gctcccgttc 60
cgtgggatgc cataaaagcc gcccagtggg acccacagtc acacagagcg cctcacctgc 120
atcctctccc ccacaagagc cccaaagatc ccacgggaga ggggagaggg acgcacagca 180
ctgcctgcca agcgagaatg caggccccgc cccctcggcc cctcaccacc tctttctaca 240
gcctaattta ttggattccc tattcgtagc catctccgtg gccaatgtga ctaccgtgcc 300
agcagcgggg gcggcccagc ctctgagtcc cgtggggccc cggctcccac cggtgccaaa 360
cccagcccct gcggccgtca ccccgccagc ctacactgcc agccgccacc ggggcacacg 420
ggcctctgct tgccagccag gagtgcggac accatgttcc cagctcagtg ccaaagaggg 480
gtcaccaggg ggagctgt 498

<210> 184
<211> 421
<212> DNA
<213> Homo sapiens
<400> 184
cttactgtgt tttcagtcac ttcctttctg tgaaaggttg cttagctttt tttttgacat 60
ttgttgttct ttatataaaa ataacagatt ggatagatgt gtacatttgg tgtttgaaat 120
tctctgaaaa tcccattagg aaaccaggtg tgaaaagggc tcagtagctt ctctgagtgg 180
cgtttttagc tgactggaag tgcttaatct ggatcgtctt ttttttttt ttttttttca 240
atattttaaa aggagaattt aaatactgtg cttactgtga aatatatcag ttggtgagcc 300
gggcgtggtg ggtcacgcct gtaatcccag cactttggga ggccaaggcg ggtggatcac 360
ccgaggtcag gagttcaaga ccagcctggc caacgtggtg aaagcctgta tctattaaaa 420
g 421

<210> 185
<211> 498
<212> DNA
<213> Homo sapiens
<400> 185
gtcctttgca acattctcat aaaattgggc acagagttcg cattggcgca atatttatgg 60
gagtgggagg gatggggaaa ataaacttaa ctctacaaaa gcaaactcta atgcatgcaa 120
gaatcattag gttggcaggt atatgcataa gtgaaaaatc tggaagtgta atggtagaac 180
ataaaacttg tattgcttct gtttcagtgc aaaaatgtac tagccaatac gcttaagtgt 240
gtggcccatg aattgaacaa tttaaccttg aagtctatat ccgtgatatt atgtcgattt 300
ttaactgagg ggaaattaac tagtccagcc taaaatgctt cttttaatct gcattctgtt 360
tcctcttcta gttgtgccat tactagtgat catgtttttt tccccccttt aatgaaaaca 420
ataaacatct atttgagaca attaaaatcc ttctgggggc actggaagca caatacggtg 480
accaatcttg ctttcatt 498

<210> 186
<211> 426
<212> DNA
<213> Homo sapiens
<400> 186
gatgcctcct gattatattt cacattttca ggaacaaaat gatttaaaag cattgctaga 60
aaatctcctt caaaatatcc aatccaaaaa aagaaagaat gtagaaatta tgtggctggc 120
tgcaacgatt tgccgcaaac tgaatggtat tcgtttcacc tgttgtaaaa gtgccaaaga 180

caggacatcg atgtcagtga cacttgaaca atgctcaatc ttgagagatg agcaccagtt 240
acacaaggac ttctttatcc gagcgctgga ttgcatgaga agagaaggat gccgcataga 300
gaatgtactg aagaatatca aatgcagaaa gtatgctttc aacatgctac agctgatggc 360
tttccccaag tactacagac ctccagaggg gacttatgga aaagctgaca cctaagttta 420
ccaaca 426

<210> 187
<211> 419
<212> DNA
<213> Homo sapiens
<400> 187
tgaaaggcag gacctggtca ccccagcaag tgctatggac agttcccgga aacggttgcc 60
cacttcacag gtccatgggt ctgacccttg gactctgcca ggatcaactg cccagagtgc 120
cagagtttta gccaaaggtg tacttacttc cttatttatc tccaaaagga tggaaactgt 180
gggagtcaaa gcctattttg ctgagtgttc ccactggatc ctctgtagaa ttagcaggtc 240
atgctgtcaa aatcatggac aaaggctggg tgcagtggct catgcctata atcccagcac 300
tttgggaggc caaggtgggc ggatcacctg agctcaggag tttaagacca gcctgggcaa 360
catggggaaa ctccatctct acaaaatata caaaatatta gccagccatc gtggtgcgt 419

<210> 188
<211> 481
<212> DNA
<213> Homo sapiens
<400> 188
gccgtcaccc gaagtcagaa acgtggcatc tcatcggaag aggaggaagg agaggtagac 60
agtgaagtag agctgacatc aagccagagg tggcctcaga gcctgaacat gcgccagtca 120
ctatctacct tcagctcaga gaatccatca gatggggagg aaggcacagc tagtgaacct 180
tcccccagtg gcacacctga agttggcagc accaacactg atgagcggcc agatgagcgg 240
tctgatgaca tgtgctccca gggctcagaa atcccactgg acccacctcc ttcagaggtc 300
atccctggcc ctgaacccag ctccctgccc attccacacc aggaacttct cagagagcgg 360
ggccctccca attctgagga ctcagactgt gacagcactg aattggacaa ctccaacagc 420
gttgatgcct tgcggccccc agcttccctc cctccatgaa agccactcgt attccttgta 480
c 481

<210> 189
<211> 424
<212> DNA
<213> Homo sapiens
<400> 189
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ctccgggcac caggggccaa cctcaggctc ctaaagagac attttccgcc cactcctggg 120
acactccgtc tgctccaatg actgagcagc atccacccca ccccatcttt gctgccagct 180
ctcaggaccg tgccctcgtc agctgggatg tgaagtctct gggtggaagt gtgtgccaag 240
agctactccc acagcagccc caggagaagg ggctttgtga ccagaaagct tcatccacag 300
ccttgcagcg gctcctgcaa aaggaggtga aatccctgcc tcaggccaag ggaccaggtt 360
tgcaggagcc cccctagtgg tatggggctg agccctcctg agggccggtt ctaaggctca 420
gact 424

<210> 190
<211> 515

<212> DNA
<213> Homo sapiens
<400> 190
aatgcagctg acgatccgtt ggtgcatgaa agtcttctaa ccattccaaa atctctttca 60
gagaaacgag agaacgtcat gtttgtgctg cctctgcatg ggggccactt gggcttcttt 120
gagggctctg tgctgttccc cgagcccctg acatggatgg ataagctggt ggtggagtac 180
gccaacgcca tttgccaatg ggagcgtaac aagttgcagt gctctgacac ggagcaggtg 240
gaggccgacc tggagtgagg cctccggact ctggcacgct ccagcagccc tcctctggaa 300
gctgcgtccc ctcacccccc gtttcaggtc tcccatctcc ctcagtgacc tggatctgac 360
ctcacaccat cagcaggggg cacccaccat gcacacctgt ctcggagtag gcagctcttc 420
ctgggagctc caggctattt ttgtgcttag ttactggttt tctccattgc attgttaggc 480
atggtgacaa gtgacagagt tcttgccctc tgtcc 515

<210> 191
<211> 434
<212> DNA
<213> Homo sapiens
<400> 191
caggtgtatc tgcacagtgg tcgccccaca gcagaccatg tgttcacggg atgcccgcac 60
aaaacagctg aggcagctac tggagaaggt gcagaacatg tctcaatcca tagaggtctt 120
ggacaggcgg acccagagag acttgcagta cgtggagaag atggagaacc aaatgaaagg 180
actggagtcc aagttcaaac aggtggagga gagtcataag caacacctgg ccaggcagtt 240
taagggctaa cttaaaagag ttttttcaat gctgcagtga ctgaagaagc agtccactcc 300
catgtaacca tgaaagagag ccagagagct ttttgcacca tgcattttta ctattatttt 360
ccaatactta gcaccatttc actaaggaac cttgaataca accaggatcc tcctttgcat 420
gcgactgtag ctgc 434

<210> 192
<211> 403
<212> DNA
<213> Homo sapiens
<400> 192
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atgttaatgt tgtgtccgta gacactgcca gaacactatt caaccaagtg atggaaaagg 120
agtttgaaga cggcatcatt aactggggaa gaattgtaac catatttgca tttgaaggta 180
ttctcatcaa gaaacttcta cgacagcaaa ttgccccgga tgtggatacc tataaggaga 240
tttcatattt tgttgcggag ttcataatga ataacacagg agaatggata aggcaaaacg 300
gaggctggga aaatggcttt gtaaagaagt ttgaacctaa atctggctgg atgacttttc 360
tagaagttac aggaaagatc tgtgaaatgc tatctctcct gaa 403

<210> 193
<211> 355
<212> DNA
<213> Homo sapiens
<400> 193
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acagaaccgc atgagggaaa gaggaaagtg gaatctctgt ggcccatctt caggatccac 120
caccagaaaa cccgctacat cttcgacctc ttttacaagc ggaaagccta cagcagagaa 180
ctcttagata tatgttataa agaaggctta gcagacaaaa acctgttggc aaaatggaaa 240
aagcaaggta taggaaactt gtgctgcctg cggtgcattc agacacggga caccaacttc 300

gggacgaact gcatctgccg cgtgcccaaa agcaagctgg aagtgggccg catca 355

<210> 194
<211> 527
<212> DNA
<213> Homo sapiens
<400> 194
gggtggttct ggccaggaag gcacaaggta gctgtgggcc aagacaccag ccctgtccta 60
gcccttcagt aagaccttgc caggagagga gaaggatgcc tgggtgccag gcaagacaag 120
cccctcagca ggagagaggc ccagaggctc cagctggcca ccgtgcccca caagatggcc 180
cctgtgtggt tccctttacc ttggcttcct ggcccagtcc ctgcctctcc acctgcaccc 240
tgcttcctgg cccagtccca ggttggagtc cctctgcata gctgactact catgcattgc 300
tcaaagctgg cttttcacat taagtcaaca ccaaacgtgg ttgccacatt tcatcagaca 360
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ttctgtgtgg atatttaagt gaacatgttt acaatttttg tatatatcac tctctccctc 480
tcctgaaaga ccagagattg tgtattttca gtgtcccatg ttccgac 527

<210> 195
<211> 531
<212> DNA
<213> Homo sapiens
<400> 195
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cagtccttca ccttgccagg tgccgtttct cttccgtgaa ggccactgcc caggtcccca 120
gtgcgccccc tagtggccat agcctggtta aagttcccca gtgcctcctt gtgatagacc 180
ttcttctccc acccccttct gcccctgggt ccccggccat ccagcggggc tgccagagaa 240
ccccagacct gcccttacag tagtgtagcg ccccctccct ctttcggctg gtgtagaata 300
gccagtagtg tagtgcggtg tgcttttacg tgatggcggg tgggcagcgg gcggcggcgt 360
ccgcgcagcc gtctgtcctt gatctgcccg cggcggcccg tgttgtgttt tgtgctgtgt 420
ccagcgctaa ggcgaccccc tcccccgtac tgacttctcc tataagcgct tctcttcgca 480
tagtcacgta gctcccaccc caccctcttc ctgtgtctca cgcaagtttt a 531

<210> 196
<211> 441
<212> DNA
<213> Homo sapiens
<400> 196
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cctacctgcc ccacttgtcc ttagcctgga cctctgacag cagcatctct accttctccc 120
cagctcccag gaccacaggc tcaggcaggg cctccatggg ccccagggga acactgggga 180
cttggcctct ctctagggta catggtgctg ggagaggcag cccaggaagt ctcatctggg 240
gagcaggcag ccagcatctg ggccttggcc tggagcacaa agaccctggc tttcattttc 300
tctcaggtga aaggaaatta aggcaacaaa agaagcccgg ctcctggtca cctaggaagc 360
ctcagattcc ttcccatgga gggagggagt ggtttgcagg tggccaagtt cctctaactt 420
ggctcacact cgacatgaaa a 441

<210> 197
<211> 552
<212> DNA
<213> Homo sapiens

<400> 197
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<213> Homo sapiens
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<212> DNA
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<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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attcacattg agagctggtg ttgtctgaag ttttcgtatc acagtgttaa cctgtactct 420
ctcctgcaaa cctacacacc aaagctttat ttatatcatt ccagtatcaa tgctacacag 480
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tgtagggtat 550

<210> 224

<211> 233
<212> DNA
<213> Homo sapiens
<400> 224
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gtgctactga gcaatatcaa gcccattcaa acagaggcat gggaggaaga aggcacctac 180
gatcaaactc tggagttccg taggggaggt gatggccagc caagacgatc cac 233

<210> 225
<211> 419
<212> DNA
<213> Homo sapiens
<400> 225
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ggcatcatct gggacatcaa cagctttgac cagtggggag tggagctggg aaagcagctg 180
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accaatgggc tcatcaactt catcaagcag cagcgcgagg ccagagtcca ataaactcgt 300
gctcatctgc agcctcctct gtgactcccc tttctcttct cgtccctcct ccccggagcc 360
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<210> 226
<211> 265
<212> DNA
<213> Homo sapiens
<400> 226
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ttccagaagt atgctggaaa ggatggttac aaccgcaatc tctccaagac ggagttccta 120
agcttcatga atacagagct ggctgccttt acaaagaacc agaaggaccc cggtgtcctt 180
gaccacatga agaaactgga tgtcagcagt gatgggcagt tagatttccc aaaatttctt 240
aatctgattg gtggcctagc tgtgg 265

<210> 227
<211> 467
<212> DNA
<213> Homo sapiens
<400> 227
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tatgatattg ctcaggtaaa tctgaagtat ctgctgaaac tgaaattcaa ttttaagacc 120
tccctgtggt aattgggaga ggtagccgag tcacacccgg tggctgtggt atgaattcac 180
ccgaagcgct tctgcaccaa ctcacctggc cgctaagttg ctgatgggta gtacctgtac 240
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tcccttgttt tgtgttgtgt ctgtggggag gggttgtttt ggggttgttt ttgttttttc 360
ttgccaggta gataaaactg acatagagaa aaggctggag agagattctg ttgcatagac 420
tagtcctatg gaaaaaacca aagcttcgtt agaatgtctg ccttact 467

<210> 228
<211> 277
<212> DNA

<213> Homo sapiens
<400> 228
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cgggctggct gcttgcagcc aggagaaggt cagcgagaag gagtgtatga gtgtgagtgt 120
gtgtgcatgg aagttggggc actgggcgtc tgactccctc cccacccaag agaggaagga 180
cccctcacca cccccactgg cgagacagtt tactttgccg acttgccatg tttttgccaa 240
aaccaagatt ttgaaggaaa tgagtggcca gcgccag 277

<210> 229
<211> 506
<212> DNA
<213> Homo sapiens

<220>
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<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t
<400> 229
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gccatcatca cgctccgncg ntgcgcagcc acctggccgc cctctggccc ttcctgggca 240
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ccgaggacgt cctggatgat gacgacgccg gctctgcacc cctgaagagc agcgggcagc 360
accagaatga caaaggcaag aacgtccgcc agaggaactc ttcctgaggc aggtggcccg 420
aggacgctnc cctgctccng cgtctgcgcc gccgccggag tccactccca gtgcttgcaa 480
gattccaagt tctcacctct taaaga 506

<210> 230
<211> 536
<212> DNA
<213> Homo sapiens
<400> 230
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tgagagcgtt tgccgacgca ctggaggtca tccccatggc cctctctgaa aacagtggca 120
tgaatcccat ccagactatg accgaagtcc gagccagaca ggtgaaggag atgaaccctg 180
ctcttggcat cgactgtttg cacaagggga caaatgatat gaagcaacag catgtcatag 240
aaaccttgat tggcaaaaag caacagatat ctcttgcaac acaaatggtt agaatgattt 300

tgaagattga tgacattcgt aagcctggag aatctgaaga atgaagacat tgagaaaact 360
atgtagcaag atccacttct gtgattaagt aaatggatgt ctcgtgatgc gtctacagtt 420
atttattgtt acatcctttt ccagacactg tagatgctat aataaaaata gctgtttggt 480
aaccatagtt tcacttgttc aaagccgtgt aatcgtgggg gtactatctc aactgc 536

<210> 231
<211> 389
<212> DNA
<213> Homo sapiens
<400> 231
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attgacctct ccgtcccctt gaaggttcca gggctgccta tgtcagatca gtatgtgaag 120
ctggaggagg agcggcggca ccggcagaag ctggagaagg acaagaggag gaaaaagagg 180
aaggagaagg agaagaaggg caagcgccgc cacagctcgc tgcccacgga gagcgacgag 240
gacatcgccc ctgcccagca ggtggacatc gtcacagagg agatgcctga gaatgctctg 300
cccagcgacg aggatgacaa agaccccaac gacccctaca gggctctgga tattgacctg 360
gataagccct tagccgacag cgagaaact 389

<210> 232
<211> 525
<212> DNA
<213> Homo sapiens
<400> 232
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cagcaccagc tggcaaccaa gaagctggac ctgtggatgc tgccggagat tctcatcatc 120
cacctgaaac gcttttccta caccaagttc tcccgagaga agctggacac cctcgtggag 180
tttcctatcc gggacctgga cttctctgag tttgtcatcc agccacagaa tgagtcgaat 240
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ggacactaca caacatttgc ctgcaacaag gacagcggcc agtggcacta ctttgatgac 360
aacagcgtct cccctgtcaa tgagaatcag atcgagtcca aggcagccta tgtcctcttc 420
taccaacgcc aggacgtggc gcgacgcctg ctgtccccgg ccggctcatc tggcgcccca 480
gcctcccctg cctgcagctc cccacccagc tctgagttca tggat 525

<210> 233
<211> 501
<212> DNA
<213> Homo sapiens
<400> 233
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ctagagtaaa agtcaaagtg cgagtcaaca cccatggcat tttcaccatc tctacggcat 180
ctatggtgga gaaagtccca actgaggaga atgaaatgtc ttctgaagct gacatggagt 240
gtctgaatca gagaccacca gaaaacccag acactgataa aaatgtccag caagacaaca 300
gtgaagctgg aacacagccc caggtacaaa ctgatgctca acaaacctca cagtctcccc 360
cttcacctga acttacctca gaagaaaaca aaatcccaga tgctgacaaa gcaaatgaaa 420
aaaaagttga ccagcctcca gaagctaaaa agcccaaaat aaaggtggtg aatgttgagc 480
tgcctattga agccaacttg g 501

<210> 234
<211> 432

<212> DNA
<213> Homo sapiens
<400> 234
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tgcctttcat gcccatgctt gattcttgca cctcagcagc tgaaggtctc agagaccagt 120
aatcagaagg catccgactg cattaagtgt gcagcgctga aaagacattt acaactaggc 180
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atgggtcatt tgtcttgggt gtcctatccc atatggagaa gaaaggggct ctaagttctg 360
gctcttcttt ctttggggtt ctctgtacct gaggaaacca ggccctgggt gactttgcag 420
atctgctcac cc 432

<210> 235
<211> 454
<212> DNA
<213> Homo sapiens
<400> 235
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gagaagcaca gagcctgagt tgatacaagt gaagagtgag ctgcccctgg atccgctgcc 120
agtccccact gaggaaggaa acccccctcct caaacactat cgggggcccg caggggatgc 180
cacggtcgcc tctgagaagg aatcagtcat gtaaaccccg ggagggacct tccctgccct 240
gctgggggtg ctctttggac actggattat gaggaatgga taaatggatg agctagggct 300
ctgggggtct gcctgcacac tctggggagc caggggcccc agcaccctcc aggacaggag 360
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agttctcact catgtcccca actcaaggct agaa 454

<210> 236
<211> 475
<212> DNA
<213> Homo sapiens
<400> 236
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ggatgcacgg aacatggcca gggatgtgca gaacaccttc tacgacatcg tggctgagct 120
cggggccatg gagcacgcgc aggcggtgga ctacatcaag aaactgatga ccaagggccg 180
ctactccctg gacgtgtgga gctaggggcc tgcctgcccc acccacccca cagactccgg 240
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ggcatgggcg caggcccagt gacaaagact cctctgggcc tggggtgcat cctcctcagc 360
ccccaggcca ggtgaggtcc accggccccct ggcagcacag cccagggcct gcatgggggc 420
accgggctcc atgcctctgg agcctctggc cctcggtggc tgcacagaag ggctc 475

<210> 237
<211> 531
<212> DNA
<213> Homo sapiens
<400> 237
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atagaggaaa tgttggtgtt gtactgttta attttggcaa agaaaagttt gaagtcaaaa 120
aaggtgatcg aattgcacag ctcatttgcg aacggatttt ttatccagaa atagaagaag 180
ttcaagcctt ggatgacacc gaaaggggtt caggaggttt tggttccact ggaaagaatt 240
aaaatttatg ccaagaacag aaaacaagaa gtcatacctt tttcttaaaa aaaaaaaaaa 300

aagtttttgc ttcaagtgtt ttggtgtttt gcacttctgt aaacttacta gctttacctt 360
ctaaaagtac tgcatttttt actttttttt atgatcaagg aaaagatcat taaaaaaaaa 420
cacaaagaag tttttctttg tgtttggatc aaaaagaaac tttgtttttc cgcaattgaa 480
ggttgtatgt aaatctgctt tgtggtgacc tgatgtaaac agtgtcttct t 531

<210> 238
<211> 543
<212> DNA
<213> Homo sapiens
<400> 238
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gtctttcatt gaccacattg ctggagatga ggatcacaca gatggagtag tagcttgtgc 120
tgctggacta ataggggact tatgtacagc atttgggaag gatgtactga aattagtaga 180
agctaggcca atgatccatg aattgttaac tgaagggcgg agatcgaaga ctaacaaagc 240
aaaaaccctt gctacatggg caacaaaaga actgaggaaa ctgaagaacc aagcttgatc 300
tgttaccatt gggatgataa cctgaggacc cccactggaa atctcccatc ttttgaaaaa 360
cctggaagtg aggagtgtgc acggatgctg aatgtttggg aatgagagga tgagtgagtg 420
aggcttgaaa acacaccaca ttgaaaatcc tgccacagca gcagccgcag ccgccaacag 480
cagcgctgtt agtgagctaa gtaagcactg acttcgtaga aaaccataac atcggccatc 540
ttg 543

<210> 239
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (173)..(174)
<223> n is a, c, g, or t
<400> 239
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gagaaaaaga aaactctggc gttagaggat ataaaaaaat ataagtacaa ttgttacaaa 240
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gaattggcag cacaaagaaa acgccctctc ctgacttgta ttgtggcagt ctgaacgccc 360
ccagaaaatt gtgccaaaga gtttagaaaa ataaatatac aataaaagta aacacataca 420
cacaaaacag caaacttcag gtaactattt tggattgcaa 460

<210> 240
<211> 498
<212> DNA
<213> Homo sapiens
<400> 240
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gtttttattg agcacggagt agaattccag ggctgccttg acttcttccc tgcatgctcc 180
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gagttggctt tgtttatttg gttttggcgg ggagaggagt ggtatttgat gctttctgtg 480
gacaatgtaa ccctaaac 498

<210> 241
<211> 378
<212> DNA
<213> Homo sapiens
<400> 241
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cgttaagtca caggaaacgg aatgtaccta cttctccaca ccgctgctgc ttgggaaaaa 180
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gaagtgagcc gctgtgacgg gtggccagtt tccttaattt atgaaggcat catgtcactg 360
caaagccgtt gcagataa 378

<210> 242
<211> 428
<212> DNA
<213> Homo sapiens
<400> 242
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ctggattcct cgaaactgcc attgtgatca ttactctgct ctttggaaat ggctgtatca 180
ttttttgta ctaatgtgaa ttgttcctca gaaacgcttc ttttccatcc tagtgagaag 240
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ctcatggatt tgaatgaaat gccaataaca cgtccacttt caacgtgtag tttacgcgga 360
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gctaggtt 428

<210> 243
<211> 534
<212> DNA
<213> Homo sapiens
<400> 243
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gacacaaacc tccaaatttt tcagcagaag cactctgcgt cgctgagctg aggtcggctc 480
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<210> 244
<211> 532
<212> DNA

<213> Homo sapiens
<400> 244
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ccacgcgcta aggcgacccc ctccccccgta ctgacttctc ctataagcgc ttctcttcgc 480
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<210> 245
<211> 477
<212> DNA
<213> Homo sapiens

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<222> (363)..(363)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t
<400> 245
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gcngatggcc ggagaggacc ggcggctcgg aggaagcccc caccgtgggc agggagcngc 420
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<210> 246
<211> 445
<212> DNA
<213> Homo sapiens
<400> 246
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tggtacgaga taatgagtcc tatttttctc tcacataata tgcatttgct ctcctaggac 120
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gtcaatctgt gttaactgca tagggagggc tctgcatagc acctgctata gcggtgtcat 240
gttggatcgc ttttgtgact gttcatctgt ccttgacagt ggctgtcatc ttgactactt 300
tgttgatttg ttggtattgg ggacatttta aaggctgagt tatttttgaa tgtcatgttt 360
atgtcataga cgtagttttc gcatccttga attaaactgc cttaactcct tttgtggtat 420
aagcaaaact ccatggactc tgtcc 445

<210> 247

<211> 182
<212> DNA
<213> Homo sapiens
<400> 247
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gctccagcct gctgcaatcc gtggaagagc ccatggtgca cctgcggctg gaggtggcag 120
ctgccccagg gaccccagcc cagcctgttg ccatgtccct ctcagcagac aagttccagg 180
tc 182

<210> 248
<211> 403
<212> DNA
<213> Homo sapiens
<400> 248
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ggaaaagcat gttatgtgtt tttaaggaaa atgtgcacac atatacatgt aggagtgttt 180
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cgtctgtcgt tgtgcttttt tctgttttta gaccaatttt ttacagttct ttggtaagca 360
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<210> 249
<211> 487
<212> DNA
<213> Homo sapiens
<400> 249
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cacatcttag cttttgcaca aggcattcgt ggtcaggaat aggttaggga atggtcactt 180
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gagcacagcc aagatggaca tgtttatgga cagtgctcta gatgtgaaaa cagatagaac 360
tggtttgtgg gacaggggca gcttgctcag gagagggaat aacgcaggtc ccttttcttg 420
gaaggcttgt actatggcca tgacagtgac attgccctca ccatgatccc tctccaaagt 480
ggttgtc 487

<210> 250
<211> 471
<212> DNA
<213> Homo sapiens
<400> 250
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agtaccaatg aacacatcca gctgatccca aaagctgttt tcaggtataa ggacaaggag 240
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cttggttgat gggttggaag tcatcagagg tttgaagaat tacactggcc tttgtttttc 360
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<210> 251
<211> 529
<212> DNA
<213> Homo sapiens
<400> 251
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cctctcccct gcccctcaac ctgccttagc tgcactctct tacctacagc tggacagtac 180
ctgtctgttt cctgtcctcc ttccagttac atctgtccat gtctggactc ggctggccgt 240
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ggttagccca ggggcccaag ccctggattt ggcctgcgga ggagcttagg atcctcgttt 360
tctgggtttt ggtgatgttg gaggagtacc ccccagccca ccgccccgat tccttttgc 420
ttctggtttg gagctccgga ccaggacctt cgtcctggtc agtttttaaa taattattta 480
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<210> 252
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t
<400> 252
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ctcacacagg gactcatcga acgcttgaaa tgaggatttn tggactgttc attgatactg 180
gaaatgttaa tttaaagaga ctcctttatt tatgggcagt gtagaatgtg ctacaaagag 240
gattggttac cctgatcaag gccttattta gaaaatacat cagatgcctt tctgtaaatt 300
ggtttttcag tttatggaca tctcactttc ccacgtgctt ccttctttgc ttctgttcct 360
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<210> 253
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)..(135)
<223> n is a, c, g, or t
<400> 253
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gcatgtagga aaggttgaat gatcctctaa gactgtgttg gtcttcgtat tctgtaaaac 120
ccatttttnt tttnngtggt cttacagatg tttagaaagt ggcacaggtt actgaattgt 180
ctacctgcca gcattctgat atagcacaaa aagctatttt cctttatttt ttgtattatt 240
ttttattttt ctggcattga gctctagggt ggatgagggt ttatggtcct ctgatcataa 300
gctccattct aaaaactggt cactgttagc tgaaattgct ttggttcccc aaatgcct 358

<210> 254
<211> 516
<212> DNA
<213> Homo sapiens
<400> 254
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ttacgaacag aagttctgag ttgtgctaca aaagtagttc catcttttg gtgtaatttt 120
cacgttttta atttgaaaaa aaaaaaaaaa acaacttttt ataagttttt taagggccct 180
gcttagtcag tgtacagggt ggagtcagag gcagttttca gaaaaaaaac aaaaaacaaa 240
aaacaatttc accaagcggt agtaattgtt gttttactag ttatacattt agaatataaa 300
ggaggcatca gaaaacacac tctctaaagc cacttccttg tgcacagagt ctgcacaggg 360
agagcacagg catctccctg gaaaagcacc tgccaatgac gaatttcatg gaagaaccta 420
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ttcctacagg gtatgcttgg gccatacaca atgctc 516

<210> 255
<211> 514
<212> DNA
<213> Homo sapiens
<400> 255
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agtcccttct accttcggcc accctccttc ctgcgggcac ccagctggtt tgacactgga 120
ctctcagaga tgcgcctgga gaaggacagg ttctctgtca acctggatgt gaagcacttc 180
tccccagagg aactcaaagt taaggtgttg ggagatgtga ttgaggtgca tggaaaacat 240
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ccagctgatg tagaccctct caccattact tcatccctgt catctgatgg ggtcctcact 360
gtgaatggac caaggaaaca ggtctctggc cctgagcgca ccattcccat cacccgtgaa 420
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ttaaaacaag aaagtttccc caccagtgaa tgaa 514

<210> 256
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t
<400> 256
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agtgcccatc tggtgctcaa gagagcctgg gggtctaaca gggagcccgg ctgcctcacc 180
tggccacagc ctccacacca gatctccaca ttgtcttgat ccagaccagc tctgtgatca 240
gaaggaaatt gggtccagtg taggagngag ctggtcctgg gcctggcagg caagagtgtg 300

ggcatccttt cctggccttt ctccactctc cctcaagcct gtgctcaggt tgccttgaat 360
gtggactctg gaagagccag gggcccagaa tgccgggggа ggcttctgng tggcactcat 420
ggaacaccgt ccctctgcca gccataggcc ctgcctccag tgtcagggaa tggaggctgg 480
gctgcgagag tgttgctgcc 500

<210> 257
<211> 500
<212> DNA
<213> Homo sapiens
<400> 257
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aatgggctgg agctgtcaga gccgcggagc tggctgtacc tagaagagat ggtcaactcc 180
ttgctcaaca cagcgcagca gctgaagacg ctgtttgagc aagccaagca tgccagcacc 240
taccgagaag ctgccacaaa ccaggccaag atccacgctg acgcagagcg gaaggagcag 300
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tactgctcca acttctgcca acgcaaggac tggaaggatc accagcacat atgcggccag 420
tcagcagctg tcaccgtcca ggcagacgaa gtccacgtgg ctgaaagcgt gatggagaag 480
gtgaccgtgt gaggctccat 500

<210> 258
<211> 516
<212> DNA
<213> Homo sapiens
<400> 258
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ctgtagttca ataaaagaaa aatgaagtat tctgtagcct atatttttca tagagctcat 120
gagcatttac tgtacttgct gggtcttgcc aagatcattt attccgctgc attgccaaag 180
tgtcttcata ccaaattaaa ggtggtttta atatatgttt catggaagtt gtttataaaa 240
ttcaaaggta tttcatttag gtgaaaagtc ttatttatta aagtggtttg aataaagtag 300
atcaaaactt ccagagatct taatggctat ataggaagaa atatcactca ccataattta 360
aataaagaat aaaaatacat gtattttatg gtggcaaatg tttggtagaa ctgtaattag 420
aaaaatacaa gtatatttgc gtgatggtta cactagaagc ccagacttta cgactacaca 480
atatattcat gtatctaaac tgtacttgta cccccc 516

<210> 259
<211> 375
<212> DNA
<213> Homo sapiens
<400> 259
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ttttttccat ctcataagaa aaatcagctg aagtgttacc aactagccac accatgaatt 120
gtccgtaatg ttcattaaca gcatctttaa aactgtgtag ctacctcaca accagtcctg 180
tctgtttata gtgctggtag tatcaccttt tgccagaagg cctggctggc tgtgacttac 240
catagcagtg acaatggcag tcttggcttt aaagtgaggg gtgacccttt agtgagctta 300
gcacagcggg attaaacagt cctttaacca gcacagccag ttaaaagatg cagcctcact 360
gcttcaacgc agatt 375

<210> 260
<211> 427

<212> DNA
<213> Homo sapiens
<400> 260
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cgcagagtat taagggacat cagcgagaga ggcagggatc ttgagcagat tttatctcag 120
tacattacgt tcgtcaagcc tgcctttgag gaattctgct tgccaacaaa gaagtatgct 180
gatgtgatca tccctagagg tgcagataat ctggtggcca tcaacctcat cgtgcagcac 240
atccaggaca tcctgaatgg agggccctcc aaacggcaga ccaatggctg tctcaacggc 300
tacacccctt cacgcaagag gcaggcatcg gagtccagca gcaggccgca ttgacccgtc 360
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tctgtac 427

<210> 261
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t
<400> 261
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caagcctctc accattaaca ggattttcaa aggagcagcc tcagaacaaa gtgagacagt 120
ccagcctgga gatgaaatct tgcagctggg tggcactgcc atgcagggcc tcacacggtt 180
tgaagcctgg aacatcatca aggcactgcc tgatggacct gtcacgattg tcatcaggag 240
aaaaagcctc cagtccaagg aaaccacagc tgctggagac tcctaggcag gacatgctga 300
agccaaagcc aataacacac agctaacaca cagctcccat aaccgctgat tctcagggtc 360
tctgctgccg ccccacccag atgggggaaa gcacaggtgg gcttcccagt ggctgctgcc 420
caggcccaga ccttntagga cgccacccag caaaaggttg ttc 463

<210> 262
<211> 531
<212> DNA
<213> Homo sapiens
<400> 262
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caaaggctgg gaccacctga gatcattcac tcatacatct ggccgttgat gttggctggg 120
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cctcacaaca tggtgtctgg attcccagga tgagcatccc aggatcgcaa gagccacgta 240
gaagctgcat cttgtttata cctttgcctt ggaagttgca tggcatcacc tccaccatac 300
tccatcagtt agagctgaca caaacctgcc tgggtttaag gggagaggaa atattgctgg 360
ggtcatttat gaaaaataca gtttgtcaca tgaaacattt gcaaaattgt ttttggttgg 420
attggagaag taatcctagg gaagggtggt ggagccagta aatagaggag tacaggtgaa 480
gcaccaagct caaagcgtgg acaggtgtgc cgacagaagg aaccagcgtg t 531

<210> 263
<211> 528
<212> DNA
<213> Homo sapiens

<400> 263
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aggcgggctg cccaaggaag cctgcatgga gatctcatcg ccagggtgcc agccccctgc 180
ccagcggctg tgccagcctg tgctacccag cccagcctgc cagctggttc tgcaccagat 240
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ggcagtggtc agcacccagc ttatcatgcc tggtcaagaa gcagggggcc ttgggcaggt 360
tccgctgatc gtgggcatct tgctggtgtt gatggctgtg gtccttgcat ctctgatata 420
taggcgcaga cttatgaagc aagacttctc cgtaccccag ttgccacata gcagcagtca 480
ctggctgcgt ctaccccgca tcttctgctc ttgtcccatt ggtgagaa 528

<210> 264
<211> 529
<212> DNA
<213> Homo sapiens
<400> 264
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cagccgtggg aaggacagtt atgaaacgag tcagctggat gaccagagtg ctgaaaccca 120
cagccacaag cagtccagat tatataagcg gaaagctaat gatgagagca atgagcattc 180
cgatgtgatt gatagtcagg aactttccaa agtcagccgt gaattccaca gccatgaatt 240
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gaaatttcgt atttctcatg aattagatag tgcatcttct gaggtcaatt aaaaggagaa 360
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agagaacatg aaatgcttct ttctcagttt attggttgaa tgtgtatcta tttgagtctg 480
gaaataactg atgtgtttga taattagttt agtttgtggc ttcatggaa 529

<210> 265
<211> 372
<212> DNA
<213> Homo sapiens
<400> 265
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ataccaccta tggagaaagc tgttgtgaaa acggacattc agatagcgct cccttctggg 180
tgttatggaa gagtggctcc acggtcaggc ttggctgcaa aacactttat tgatgtagga 240
gctggtgtca tagatgaaga ttatagagga aatgttggtg ttgtactgtt taattttggc 300
aaagaaaagt ttgaagtcaa aaaaggtgat cgaattgcac agctcatttg cgaacggatt 360
ttttatccag aa 372

<210> 266
<211> 409
<212> DNA
<213> Homo sapiens
<400> 266
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acctaggacc gtcttgcttt gtcattgggc atggagagaa cccatttctc cagactttta 180
cctacccgtg cctgagaaag catacttgac aactgtggac tccagttttg ttgagaattg 240
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catgtagtta cttcctttaa accatcagcc ggccttttat atgggtcttc actctgacta 360

gaatttagtc tctgtgtcag cacagtgtaa tctctattgc tattgcccc 409

<210> 267
<211> 523
<212> DNA
<213> Homo sapiens
<400> 267
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tccagcccac ttcctaggaa caatggaaga agaaaggact gaaccagggt atttttgtta 120
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caactagtaa aatgctggtg aaatgctgtt ggtaaagcac atggtccaaa tctagaagat 360
gcagttcaaa aacaagacag actcgagttg ttagggctga ggaaccaatc aaggtagaac 420
aaagaaaatg ttggggtaaa agtgttgctg attgtcaaca caaactggct taataatatt 480
aataagaacc tgtcttatta agactggctt tagaaccgta ggt 523

<210> 268
<211> 161
<212> DNA
<213> Homo sapiens
<400> 268
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gaaatacagt gaatttaccc taaaatgtcc aatctgtatt tatgtacctt gtcagtgttt 120
tgctgttggt tttctaaaac aatctgatca ataaatctta t 161

<210> 269
<211> 445
<212> DNA
<213> Homo sapiens
<400> 269
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caaagaactg agcgtcatgt tcattgagac cagtgcgaag actggctaca acgtgaagca 120
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gatcacatca ctcttaacgg ctgtt 445

<210> 270
<211> 503
<212> DNA
<213> Homo sapiens
<400> 270
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<210> 271
<211> 508
<212> DNA
<213> Homo sapiens
<400> 271
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<210> 272
<211> 502
<212> DNA
<213> Homo sapiens
<400> 272
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<210> 273
<211> 552
<212> DNA
<213> Homo sapiens
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cattagacct acgaataaag catccggttc taaaattaat ttgttgcagc tttgtaaata 480
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caaccttagc ct 552

<210> 274
<211> 417
<212> DNA
<213> Homo sapiens
<400> 274
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acccctttct aatttagtct ctgagtccca aaaagaagtg caggcagagc catctgccag 360
gcccaggaga gctctgagct ctggccaaca actgcagcca ggctgggcag agcactc 417

<210> 275
<211> 510
<212> DNA
<213> Homo sapiens
<400> 275
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gacattgctc acctacagtg acgtcgtggg cgcggatgtg ctggacgagg tggtgactgt 180
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ccagtcctgg agcccatacc tcacccctgc ctggtgagga tgtcttgttc ctgagggagg 360
ccggtgtgga aagcctcgca cagtggtgcc tccagctgtt gaagggtagc gctggccctt 420
ggaggctggc actagctgac agcttttcct ctctgcacct gcgctctggt gacttggggt 480
ggacgcctct gccttcactt gaacacaaat 510

<210> 276
<211> 551
<212> DNA
<213> Homo sapiens
<400> 276
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ggtgccgttt ctcttccgtg aaggccactg cccaggtccc cagtgcgccc cctagtggcc 120
atagcctggt taaagttccc cagtgcctcc ttgtgcatag accttcttct cccacccccc 180
tctgccctg ggtccccggc catccagcgg ggctgccaga gaaccccaga cctgccctta 240
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cttgatctgc ccgcggcggc ccgtgttgtg ttttgtgctg tgtccacgcg ctaaggcgac 420
cccctccccc gtactgactt ctcctataag cgcttctctt cgcatagtca cgtagctccc 480
accccaccct cttcctgtgt ctcacgcaag ttttatactc taatatttat atggcttttt 540
ttcttcgaca a 551

<210> 277
<211> 533
<212> DNA
<213> Homo sapiens
<400> 277

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gcagcgggga ctggaatacc acgctggcct gcttcgtggc catcctcatt ggcttgtgtc 180
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actgagaagg tcagattagg gcggggagaa gagcatccgg catgagggct gagatgcgca 360
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gttccctacg aggagtgttc ccaatgcttt gtccatgatg tccttgttat tttattgcct 480
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<210> 278
<211> 238
<212> DNA
<213> Homo sapiens
<400> 278
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aagcagtcag gctccttccg ctacttgcag ggcatgctag aggccggcga gggcggggca 120
ccatcgtcaa ggcacgggac aagctctacc atcccgagtg cttcatgtgc agtgactgcg 180
gcctgaacct caagcagcgt ggttacttct ttctggacga gcggctctac tgtgagag 238

<210> 279
<211> 491
<212> DNA
<213> Homo sapiens
<400> 279
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aggccgaggc cgcccagcgc ctggccgagg agaaggccca ggccagctcc atccccgtgg 120
gcagccgctg tgaggtgcgg gcggcgggac aatcccctcg ccggggcacc gtcatgtatg 180
taggtctcac agatttcaag cctggctact ggattggtgt ccgctatgat gagccactgg 240
ggaaaaatga tggcagtgtg aatgggaaac gctacttcga atgccaggcc aagtatggcg 300
cctttgtcaa gccagcagtc gtgacggtgg gggacttccc ggaggaggac tacgggttgg 360
acgagatatg acacctaagg aattcccctg cttcagctcc tagctcagcc actgactgcc 420
cctcctgtgt gtgcccatgg ccctttctc ctgaccccat tttaatttta ttcatttttt 480
cctttgccat t 491

<210> 280
<211> 268
<212> DNA
<213> Homo sapiens
<400> 280
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actccccccg agaggtcttt ttccgagtgg cagctgacat gttttctgac ggcaacttca 120
actggggccg ggttgtcgcc cttttctact ttgccagcaa actggtgctc aaggccctgt 180
gcaccaaggt gccggaactg atcagaacca tcatgggctg gacattggac ttcctccggg 240
agcggctgtt gggctggatc caagacca 268

<210> 281
<211> 261
<212> DNA
<213> Homo sapiens

<400> 281
gctctatttc caggcatgtg atcgcccccg ctctccagat tccccagcac tctgctgcgt 60
gtaactccac tcaattctcc actcatcctt ccttgtgaag caggatcgtt gaagttttaa 120
gtatgggcaa aaatctggaa aacttaggat ccctctgaca ccccaggatt aggggacaca 180
gcagtggcta gggcatcagc cacagaactg agcgggaaat gccacttgta ttggctgtaa 240
agaaatcctg gctttgggcc a 261

<210> 282
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t
<400> 282
tccaaggact gagactgacc tcctctggtg acactggcct agngcctgac actctcctaa 60
gaggttctct ccaagccccc aaatagctcc aggcgccctc ggccgcccat catggttaat 120
tctgtccaac aaacacacac gggtagattg ctggcctgtt gtaggtggta gggacacaga 180
tgaccgacct ggtcactcct cctgccaaca ttcagtctgg tatgtgaggc gtgcgtgaag 240
caagaactcc tggagctaca gggacaggga gccatcattc ctgcctggga atcctggaag 300
acttcctgca ggagtcagcg ttcaatcttg accttgaaga tgggaaggat gttcttttta 360
cgtaccaatt ct 372

<210> 283
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)..(336)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t
<400> 283
tccccgctag cttggggcga gcagagctgc atccagtgga actaaagccg ttccaggatt 60
atcaaaaact gagcagcaac cttgggggac ctggatcatc acggactccc ccaactggaa 120
ggtccttctc tggcctcaat tcccgtctca aggccacgcc ttccacctac agtggagtct 180
tccgcaccca gcgcgtcgac ctttaccagc aggcctcccc accagatgcc ctgcgctgga 240
tacctaagcc ttgggagcgg acagggccgc cacctcgaga agggccctcc cgacgggcag 300
aggagcctgg gtcccgaggg gacaaggagc ctggnntngc ccccaccccg ctgagggagt 360
tcctcttgcc ccctaccccc ggggcttgta tatagatt 398

<210> 284
<211> 478
<212> DNA

<213> Homo sapiens
<400> 284
tgtagattta gtttgacgct ccccaaagtg catgagacac atgctaaaat tacaaattaa 60
aattttgggt cagactttgc cataatgata gactcaattt agctctctga actagttggt 120
aatttttttt ttttaattcc cactttggct gtgtacatca aatgaaatga gaagtgtgta 180
tgctgaccaa accacaagaa actttcttta agttgtgtta aagaggaaag acctagaatc 240
caagcgtgtt acatgaaaat tgtaacagag cagctgcttc caccttcag atatagatgt 300
tggaaccaca gcagaagtta tagagcgaca acttatatac acacctagaa tgtaagttaa 360
acaaaatacc ggcttccaga gacccctttt ctccagccat attacatcag gctagaagta 420
attaatgttg atttatttca tctacaagca gttggtccct aagtgaaagg ctctgctt 478

<210> 285
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t
<400> 285
gtctgcctct ccaggattgt atgtttcaag ccttgtcctg tgttcctttg tctgacgctc 60
tgtgtattgc tctttgaatc gagtttggag gaagagttga gttgtatgag tggcggcatg 120
ttggtagtgc cggacttcct gtttcaagtt ttctggggcc tcgctaattg aatgtggaaa 180
gtagcaccac ttgacggcta caagtgccga ctcctgaatt ttcccatggt gttctgactt 240
caagggctgg cagccaggga gaatgggccc aggggaagca aagacctctt ccctctgcng 300
tttctgtccc acttaactga cctcactgga ggctac 336

<210> 286
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t
<400> 286
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atacatatat atatatcaag ntttaaatta ttgatagttc atctggatta ccaaaatcac 120
tctgcagccc tgcccgaggc tagtaggctg caaccctggt ccccaccct aacctcctgc 180
tccccctcaa gccaactatg cagcccacaa gaaggccctg cgggcccccc cattgcccag 240
cactgtctca tagaaggctc tg 262

<210> 287
<211> 388

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (72)..(78)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t
<400> 287
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actacttgtn annnnnnnan gnccacggat tctcaagatt ccttatttgc ctcgagaacc 120
ttgtttaaaa gcagaagact gcaagattcc ttcgcctcag aaaccaatct agattttaga 180
agtgggctgg ctatagtgag ccaacatgat ttagaccagc ttcaggctga tgcaatcaac 240
gcttttggag aatcactaca aaagaaactt ctggacattg aaggattata ttcaaaagtt 300
cgatctcgat atagtttcat acaggctctt gtcagacgta tccgtggcct cttgaggata 360
tcaaggaact gagagcccgt gcttatgc 388

<210> 288
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t
<400> 288
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ggctgtgttc ttcatgtgtt gattttattt gacccctgga gtggtgggtc tcatctttcc 120
catctcgcct gagagcggct gagggctgcc tcactgcaaa tcctccccac agcgtcagtg 180
aaagtcgtcc ttgtctcaga atgaccaggg gccagccagt gtctgaccaa ggtcaagggg 240
caggtgcaga ggtggcaggg atggctccga agccagaaat gccttaaact gcaacgtccn 300
gtnccttccc cacccccatc ccatccccac ccccagcccc agcccagtcc tcctaggagc 360
aggacccgat gaagcgggcg gcggtggggc tgggtgccgt gttactaact ctagtatgtt 420
tctgtgtcaa tcgctgtg 438

<210> 289
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t
<400> 289
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ggctgactag aagggccagt cctgcctggc caggcagatc tgtgccccat gcctgtccag 120
cctgggcagc caggctgcca aggccagagt ggcctggcca ggagctcttc aggcctccct 180
ctctcttctg ctccaccctt ggcctgtctc atccccaggg gtcccagcca ccccgggctc 240
tctgctgtac atatttgaga ctagttttta ttccttgtga agatgatata ctatttttgt 300
taagcgtgtc tgtatttatg tgtgaggagc tgctggcttg cagtgcgcgt gcacgtggag 360
agctggtgcc cggagattgg acggcctgat gctccctccc ctgccctggt ccagggaagc 420
tggccgaggg tcctggctcn ctgagggnca tctgcccctc ccccaacccc caccccacac 480
ttgttccagc tctttgaaat agtctgtgt 509

<210> 290
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t
<400> 290
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acttcctctc tccttccact tatttcctca aacttgttgc tttacactag acacatgcaa 120
atgtatgttt taaacacacc aaaacagatc atgccaaatg agttgcctgt caaaggctgg 180
agggcaggag gagggcctgg gtttgggttc tttcctccca gcctttggat ggtgccttgg 240
gccccttagc cccagcgcca gggcctccca gctgaggcca cagganaagc actttttat 300
gatgtactaa aagccacagt atgtggcaac tgcaaaagga tcaggaattt agggtatgat 360
ctcggtcacg tgtcccgggc gctgagggga aaggaagcgg gcatgattgt agacaatgag 420
ggggttctct tgatgtaatg aa 442

<210> 291
<211> 467
<212> DNA
<213> Homo sapiens
<400> 291
gagacactag ttttggccaa cttaagattt tacgttaatt tttacatagt atttgacact 60

catgcaaaat aatgtgaaaa catctagatt tagtagttta ttctgcgcct tttgttaaaa 120
ctgaagattt tggaaaatgg ttgtcactgc tcttccagcc tatgaatatt tttgtgaaat 180
ggaaccatgg atttatgtct ggatcatcca tacagaacca acaattttat tcaaaaacaa 240
tgtgttcatc aaagtaattg ctcacattgt gcagtactat gttgtacaga ccacgtgaaa 300
gggaatgctg gtctagctgg cgtggtatgt ttataggcga atttcagcag aaggaagcca 360
aaatagtttt ttccttttga aagtttttta aaaattattt catgggtctt ttttttaatt 420
aatatgtgtg cattgttaca atgtatgttg gatgtctttt gacccta 467

<210> 292
<211> 356
<212> DNA
<213> Homo sapiens
<400> 292
ttagagccat catcatccca ggcagggata tctttgagaa atgactcagt tcagccccag 60
gcccctgtga ctctgcttaa agcacacatt tctgctgact cttgtacctg gggcagcagg 120
ataatcacca acacactctt aacgagaaac aacacaccaa gcacagtgga gctgtcctag 180
gcaacactcg cggtctcagg ctgcggtggg cgtctgtcct gcatgtggcc cagaccaccc 240
tgacccccgg gcctgcctgc ctggccctgc atgctgcacg ctcactgtat ttgtgcagat 300
cctggccagt acaaagtcgt tgctcttgtc ttatcttctc ttacagagtc tccctc 356

<210> 293
<211> 203
<212> DNA
<213> Homo sapiens
<400> 293
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tttagctagc ctccccatct catcacaacg catgtctgtg acctttggta atcatttaca 120
gtgccacacg gaaccctgta ttttgcacac agcaaaacaa acaatgttta gctttattta 180
tggtatttga tgctgtaaat gga 203

<210> 294
<211> 487
<212> DNA
<213> Homo sapiens
<400> 294
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gcccctctcc ctagactcag aggcgccgcg gggaggggtg gccccgccga ggcttcaggg 120
gcccccctccc caccaaaggg ttcacctcac acttgaatgt acaacccacc ccactgtcgg 180
gaaggcctcc gtcctcggcc cctgcctctt gctgctgtcc tgtccccgag cccctgcagg 240
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ggaaggccac tgccggccac ttggggcaga cacagacacc tcaaggatct gtcacggaag 360
gcgtcctttt tccttgtagc taacgttagg cctgagtagc tcccctccat ccttgtagac 420
gctccagtcc ctactactgt gacggcattt ccatccctcc cctgcccggg aagggacctt 480
gcaggga 487

<210> 295
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t
<400> 295
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ttccagaggc agctgcgcca ggaggtggtg gtgtgcatgc ggagggacac agcgctggag 120
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atcactgaga agctggagaa gcagcagaag atcgagcagg agcgcaagcg ccggcagaag 240
caccaggaat acctcaatag cattctccag catgccaagg atttcaagga atatcacaga 300
tccgtcacag gcaaaatcca gaagctgacc aaggcagtgg ccacgtacca ngccaacacg 360
gagcgggagc agaagaaaga gaacgagcgg atcgagaagg agcgcatgcg gaggctcatg 420
gctgaagatg aggaggggta ccgcaagctc atcgaccaga agaaggacaa gcgcctggcc 480
tacctcttgc agcagacaga cgagtacgtg gctaacctca cggagctg 528

<210> 296
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t
<400> 296
cagggcaact cccagggatg tggtgacatg cagggttcaa gtgttcttgg ttccaggcac 60
ctcccggctc acggggagct cagaggtcca tgccgaggag accaggcagg acctcccgag 120
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ttttctccac cacagccgct tgcacgtata gatactgtgg tccccttttct tttaatatat 300
aaattatgta tggtgaagtg gagtgtattg tgtaggtccc gtatttaatg cctctgactg 360
cctttgaagc gcagccctct gtggcccgca gccccctgag cctggctgtt gtgtggtatt 420
tatgctctct ttgtctgc 438

<210> 297
<211> 497
<212> DNA
<213> Homo sapiens
<400> 297
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ttaagtcttc ccttgaaggc agggaagcag gatggataca catatatcac acgcataaaa 180
caccaggtgc gggagcagcc cagactcaag gctgactaaa ctggaggctg aataccgtgg 240
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gatgctgcac cccgtgggct tccaggcctg cccagatgat gccttcaggc ctctgtccct 360
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ataaattttt cagtgggaca gaaaggagag ttaaaaaaca ttttttaaa ggtggtaaca 480
tctgacccac aaaggga 497

<210> 298
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t
<400> 298
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agangggggc cagcacagca gcatccaccc agcctgaggc tcaagctgcc cttaccaccc 300
catcccccac gcaggaccaa ctacctccgt cagcaagaac ccaagcccac atccaaacct 360
gcctgtccca aaccacttac ttccctgttc acctctgccc caccccagcc cagaggagtt 420
tgagccacca acttcagtgc ctttctgtac cccaagccag cacaagattg gaccaatcct 480
ttttgcacca aagtgccgga caacctttgt ggtgggggggg ggtcttcaca ttatcataac 540
ctctcctcta aagggga 557

<210> 299
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t
<400> 299
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nagagtggca cccaccacag aatacagtgt gtgttattac gaggagccag cagttgagcc 120
taaggtcctt ctacctacct ggtattggca tttgaggtcg gaaaccctct actgccccat 180
aagccaggaa aagtgaaaag agaacacagt tcctttaaga actggcagca aggcttgagg 240
ccttatgtat gtagctgagt cagcaaggta catgatgctg tctgctttca aaaggacttt 300
tctctcctag ctgactgact ccttccttag ttcaaggaac agctgagaca gacctctgct 360
gagtagctct gtgatgacaa agccttggtt taactgaggt gatcctcagg ttgtgaggtt 420
tattagtccc caaggcaaac acaaatatt 449

<210> 300
<211> 311
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)..(126)
<223> n is a, c, g, or t
<400> 300
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ccaaaatagg gttttcttgg gcgaggatgt gctggattag gaaaggtgac atgacacagg 120
cagannagag tggcacccac cacagaatac agtgtgtgtt attacgagga gccagcagtt 180
gagcctaagg tccttctacc tacctggtat tggcatttga ggtcggaaac cctctactgc 240
cccataagcc aggaaaagtg aaaagagaac acagttcctt taagaactgg cagcaaggct 300
tgaggcctta t 311

<210> 301
<211> 395
<212> DNA
<213> Homo sapiens
<400> 301
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tactcaactg agtaagaagg ggctggtgcc cagtcggggt ggctgagctg gtccttaata 120
ggttgtttct tggtcttgct ttcttcatgc cctccccact gctcctgcca cctttagata 180
agtttctcta gctaattttg tggccaatgt aaaattcgtc atcaacctaa caaacacaac 240
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aaattctcca ggtgaatggg gaagggtctg ttccagcctc tccctactcc catcccattt 360
ccaccaactg gggaactgtg actatctatc tcccc 395

<210> 302
<211> 517
<212> DNA
<213> Homo sapiens
<400> 302
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ttccctctgg ccctgactct cactgactca ccgatgtgat gtgcaggccc acttcttacc 120
ccagatagcc tcgggcgctg cctgtagtca tgctgacagc tgtacagtag ccgccaagac 180
tgctgacagc tggagacggt tctggtttca actacggtat attgatatcg gaagtattct 240
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catcctatag tgttgtcttc ctgtgtgttc cggggcttct gggcagctgg gcctgcccgg 360
ggaagtcctt gcaggtggga ggccatacag agacccactg tgtgccactg agcgtcccac 420
tgctgctggg caactggagg actgcagggg gcgccaggtg actctctcct tttatatcac 480
agcagctcct gtgctgacct tcaagttacg ttttgga 517

<210> 303
<211> 520
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)..(51)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t
<400> 303
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aaaaaagaca gcctttacac catttctagt ggcacactat tttggcaatg ttatgcacca 120
cttcaatttc cccattgtga cccctatcac ttcatttgat atccctttt gacccaccca 180
tctccttcat atatgggcat gtccatagat tgacaaagaa agtttacact tttgaataaa 240
gatgcaaagt atgcaaaaac attaatactg atgcgaaaaa ataaaaaata aaagagaaac 300
aaggcagagg aagaaggtgt ttaagctctc ctcgacctgt tggaatggtg gttaacagaa 360
tgatttgaga tgggatctgt ggggagggga gnaaaaaaaa aaacaacaaa atttggtgct 420
taaaaaaaag taaaataaaa aaagacatct ttaaaatcaa tccctggttg tagacaagtt 480
ctccaaaacc agtacctggc accactccaa caaacaaacg 520

<210> 304
<211> 329
<212> DNA
<213> Homo sapiens
<400> 304
gctggcttcg tttttccaag gagcctttgg tgagttcaat tatctggtaa atatccagcg 60
cttcacctga aagatagtgc aaattggtta ggatgccacc tcaagaactg taactgagag 120
ctcagaagtg agcaaaggag cttaatgcta aggtcaaaag gagagtgaaa ggttgagaac 180
aattgccacg aacggtaatg ttacatgtta ggagggtctg ttttcttttt atataagtgt 240
gtcttagata tattttaaat agaaaataag ctttctgatt tacttgtttg gtatttaaag 300
cacagtttgt ttttctgtca cctatagag 329

<210> 305
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t
<400> 305
tacatttttc cacgagctgg tgcagacagc tctgccatca ggcagctgtg tggacacctt 60
gttaaaggac ttgtgcaaaa tgtacaccac acttacagcc cttgtcagat attatctcca 120
ggtgtgtcag agctccggag gaattccaaa aaatatggaa aagctggtga agctgtctgg 180
ttctcatctg acccccctgt gttattcttt catttcttac gtacagaata agagtaagag 240
cctgaactat acgggagaga aaaaggagaa acctgctgcc gttgccacag ccatggccag 300
agttcttcgg gaaaccaagc caatccctaa cctcatcttt gccatagaac agtatgaaaa 360
atttctcatc caccttteta agaagtccaa ggtgaacctg atgcagcaca tgaagctcag 420
cacctcacga gacttcaaga tcaaaggaaa catcctagac atggttcttc gagaggatgg 480
ngaagatgaa aatgaagagg gcactgcatc agagcatggg g 521

<210> 306
<211> 496

<212> DNA
<213> Homo sapiens
<400> 306
ctttctgcct gtactggatc tgttattttc agggaaacag gccccagggc ccccctgagc 60
ctcaccctaa gcccttaggc ctctgagagt gctgttgggt tctatttatt tatttatttg 120
ttcctttgtt ccctacccgt gcccccagtg tcttccctgc tgagtaccag gagaggtcct 180
gccccatcct ctctctgaag ccagggccct tccattccat ttagcctttg gatcatcctg 240
gctgggagaa gtgggaccga gccacccagc cccactatcc ccaagcagcc ctacagccgg 300
gatgggaggc acgtggcctc tcttttatcc gtctatttat tttgtaagtg tattcgtgtg 360
gaggaggttg ttgctttatt tttttaaggc tctggagtgt tgtgtatggt ttcttttcac 420
atcccagcct cccatgggca cttctaagaa gagaggggat ttcttggaaa aggagagagg 480
aatcccctag agcagg 496

<210> 307
<211> 503
<212> DNA
<213> Homo sapiens

<220>
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<222> (158)..(158)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (216)..(217)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t
<400> 307
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ccccggtttt cctccccgcc ctgtccctct ctggtcaaac aacatactaa agaggcgagg 120
caatgactgt tggccagttc tcaccgggga aaaacccnac tgttaggatg gcatgaacat 180
ttccttagat cgtggtcagc tccgaggaat gtggcnncca ggctctttga ngagccatgg 240
gctgcaccen ggccgtaggc ntagtgtaac tcgcatccca ttgcagtgcc ngtttcnttg 300
actgtgttgc tgtctcttag attaaccgtg ctgaggctcc nacatagctc cntggacctg 360
tgtcntagta catactgaag cgatggtcag agtgtgtaga gtgaagttgc tgtgcccaca 420
ttgtttgaac tcgcgtaccc cgtagataca ttgtgcaacg ttcttctgtt attcccttga 480
ggtggtaact tcgtatgttc agt 503

<210> 308
<211> 434
<212> DNA
<213> Homo sapiens
<400> 308
tgagagctgt ctaggtctgt atcccagatt gttgcttaat gacatctgac agatgcattg 60
ttttctgaaa tcagcttaag acaccaattg tggcaactgg aaactcatta cctgctgcat 120
tggatcaact atggaagttg gagcaggggt gggcggaggt cacctaacca atcaatggaa 180
ggcaactcac acctgctcca agcctcagct ttgagaaaca aacacgttta taagaaaaaa 240
tatatagcta ttattacaga agtgaatatg ttgtgctctc ttactgctct tggtgcattg 300
acagtttctg tatctcaacc ctattcatct ttatgaaaaa gcattctgaa gatctatcct 360
cagcactgct gagtgtgcag tcacactttc ctaccaaccc ccttcttacc atctctagct 420
gccatttgtg gggg 434

<210> 309
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (486)..(486)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (547)..(547)
<223> n is a, c, g, or t

<400> 309
aacaggcccc tatagggaag cagttccatg aaaatgatta attctttcca aaagacttaa 60
aatttttcc tatttcaatt ttcctttcaa aaaaggaaat acattcatgt agttcaaaac 120
ttaagaaaac aaaagtctgt tcagcaaaag actcccactc cgnttcccca aacgctgagc 180
cccacccccc atccctggta gcaagaagtg tttccaattt taaggttaag aaacaaagtc 240
cctggatttg tgttagggat gtcttcctga gagtgggttg tgttccgttt gaccctggcg 300
gttgacctcg gcccactagg atcatgccgc cctctccagg gaggagggcc tccccatcac 360
cctgtacagt ggcaccccag ccctggcact gcccgccctt gctcagcgta cctttcccat 420
ggcactctga cgtactggat gtttggtttc tgaagttact ggctgtttac cctgccggga 480
tgtaanccc tccagggcag gggcttgtct cgtgttcagt gctgcatccc agctgctggg 540
cacggtncct ggtccatggc gttcaataaa ta 572

<210> 310
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t
<400> 310
tttttgatgt gcgtgctgtc tgtcctatgg agcctctgca gactcgttct cgtgacccag 60
tggcataccg ttnggtgtct gatgtgtgcc cagatcgttc tgccacttgc actgtgcttg 120
ctcctaagca aaagggaaaa ggagcgcgcg tgatagaaga aaagcactgg gagaactaac 180
agaggagaaa ggtgaaacac acacacattc ttaaggcaat aaaactaggg ggtgtatatt 240
atcttctggt gcatgttctt ttctggaaaa tatggtagct cgccaaccgc atctgctcat 300
ctgatattca aacacacagt attcgtgaat aagttgattc tgtcccccac gtggactctg 360
tgctcaccca ttgtctcatt gccagtggtg tccaagggcc cccgttggga cccacggctc 420
tcgtccctct gctccgtgtg tctcatgcca gcagcacgtc gccatccgtc accagaatta 480
gtcctcacag cctaggacca gttttgtatc aaactcgtct gatgttttga tgccatttgt 540
cttttgtaa 549

<210> 311
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t
<400> 311
gctacatgag ggtgtccctg tccagctttc tggcacntga gtcctgtgtg gagagttacc 60
tcctcttcca gggactgtgc tgttgggaac tttgggcaag tcacttacct ctttgtgcct 120
caatttctgt ataatatttc taagctacct cactgaggtg gtatgaagat tcactaatgt 180
atgtagcgtg tttgtcaatc ctccagtgaa aagcactatc tagatcacat tttggatcac 240
attagccaaa tgcagtaaat ggccaaatta gatgtgtgct gaagacaatc agtcactggg 300
tctatattaa acagcaacca gagcaacaaa tggcaaacaa tttctatttt caagtttctt 360
tgcatatttt tttggtgcaa aaccatttat aaacttttt ttctaacact agtgtctaca 420

gcagcattca aaaaaattct gttacctttt ctgtattagg att 463

<210> 312
<211> 238
<212> DNA
<213> Homo sapiens
<400> 312
tgggatctca gatcctttgt cactgcctat agacttgtag ctgctgtctc tctttgtccc 60
tgcagagaat cacgtcctgg aactgcatgt tcttgcgact cttgggactt catcttaact 120
tctcgctgcc ccagccatgt tttcaaccat ggcatccctc ccccaattag ttccctgtca 180
tcctcgtcaa ccttctctgt aagtgcctgg taagcttgcc cttgcttaag aactcaaa 238

<210> 313
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t
<220>

<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t
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<222> (275)..(275)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t
<400> 313
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naanaatnaa aaaaaaaaaa aaaaaaaaaa ggccgggcgc agtggctcaa gcctgtngtc 120
ccagcacttt gggaggctga ggcgggcnga tcacctgagg tcaggagttt tgngatcagc 180
cttggcaaca cggtgaaacc ccatctctac taanaatnca aaattagcca ngcatgctgg 240
cacatgcctg taatcccagc tactcgggag gctgnggtac gagaatcgct tgnacctggg 300
aggcngagga tgcagtgngc cgngatcacg ccattgcact ccagcctggg ggacaagagt 360
gaatctgtgt ctcaccaaaa aaaaaaagaa aaagaaagat gcttaacaaa ggttaccata 420
agccacaaat tcatnaccac ttatccttcc agtttcaagt agaatatatt cataacctca 480
ataaagttct ccctgct 497

<210> 314
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (431)..(431)

<223> n is a, c, g, or t
<400> 314
gcagcagatc atgagtgacc cagccatgcg ccttatcctg gaacagatgc agaaggaccc 60
ccaggcactc agcgaacact taaagaatcc tgtaatagca cagaagatcc agaagctgat 120
ggatgtgggt ctgattgcaa ttcggtgatg acttgttcat ccccccttcc cttcgccctc 180
atgtggaaag aggagctggg accgcggcga gcagcacgga gcggaaggga gagcagggga 240
gagaaggcct catctctcta tatttataca taaccccggg gaagacacag agactcgtac 300
ctgcgctgtt tgtgccgccg ctgcctctgg gccctcccag cacacgcatg gtctcttcac 360
cgctgccctc gagttccatg tctctttccc ctgcccctag ttgctgtctc ggctgctctc 420
ccatagttgg ntttttttt tatttggggc agtgggcatg ttatggggag gggaggggt 480
tcttccagcc tcaggtccca gctgtctcac gttgtttatt ctgcgtcccc ttctccaata 540
aaacaagcca gttgggcgtg gtt 563

<210> 315
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 315
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ttctgaccga accctgatgt tcagtggcag agacagccca tagccagaac tgtgggtaga 120
ccagggttgg ggtgtgcggt ttgggacagc ccaaacccca gccgctgtgt caaggcctag 180
gacgccntgc tgccatcaaa agggggttcc aggtttccat cagtggccta aagaagggac 240
ttcttgttgt actgaggagt gcggaattaa agagatttga ctccctttag tattgggggc 300
agtccgttcc ccagacactg tggcctctga agtggaaact gaaagctgca tacctgggaa 360
agaactttct agnaataggc aatggccttc agtggaagag ggagggctgg aggtgtgccc 420
agtacttgga tgttcatctg tccacaacag ctttttgttt ttttaaaaaa gctaaaatgg 480
aaatggattt tatcataaag gatgacatcg ttttcttcta caat 524

<210> 316
<211> 559
<212> DNA
<213> Homo sapiens
<400> 316
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ccccagcgcc tttgaaaagc aaggtttgtg ctgcgcttcc agttccgaaa agcagatgtt 120
taagcccttg gactgagggt gggatcgcag ctccgaagac ggagaggagg gaaatggggc 180
cctttcccct ctattgcatc cccctgcccg actccttccc cgcacccacg tgccctagat 240
tcatggcaga aaatgaccaa atcctgtgta tttgttttat atatttaata actgttttaa 300
atgaaagttt tagtaaaaaa aatacaaaac aaaaagatta aattgctatt gctgtagtaa 360
gagaagctct ttgtatctga acatagttgt atttgaaatt tgtggttttt taatttattt 420
aaaattgggg ggagggcatg ggaaggattt aacaccgata tattgttacc gctgaaaatg 480
aactttatga acctttcca agttgatcta tccagtgacg tggcctggtg ggcgtttctt 540
cttgtactta tgtggtttt 559

<210> 317
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t
<400> 317
gtgcctcagg agtattcttc tacaccagct gctgttaaaa tgtncaatga actctagtcc 60
canggaatac agaagtgctc ttattaccag tttncccact tgtggccgcc tttgcaaaga 120
tccatattct aatttaagtc cccaacctct gaatttggtt ttaagtttac ctagtgactg 180
actactctct ttataaaaaa gaccttatac ttaatgatca tttccaaagg agaccactcc 240
ttaactttta ctgcaaaccc aacaagatga gacacttaaa cccagacaga tgtaacaaag 300

gatttttgtt gtctaagtcc caaagtatta tatagaaagt tcctgctttt atgggtaaac 360
ttattacctt aatatgttct gtggtttgct gttaaccaag attctcccat ttaaaatgcc 420
acagaccgac cctcaaggca gatccgaaag cctagtagtt agttgcactg ggttgttttg 480
acaagctacc acacgtctta agta 504

<210> 318
<211> 568
<212> DNA
<213> Homo sapiens
<400> 318
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gcaaacagca ataacaaaac aaaaactact gatgctgagc gttttgatcc tagtaatatt 120
tcaaatattg tccttctgca tatgttctat ccatatttga ttccaatata cattattaag 180
ctttcttggg tactattttg ctggggctct tgcgtgaagg tggtacctgt ctcatgatcc 240
ttaaaagaga gaggcttttt tcatccaaag ctgtagtgtt gggaactggg gtgggagagg 300
cacttttgg aattctgaaa gaatcatatc tgtgtatata catactgagt ggggaaggat 360
gggggttggc aggggttgag ggaggtggga acaaacagtg agtatgggaa caggcagtca 420
cctcgagtgt gggaggtcac ctgggtccgt cgtcttcctt ctgtatggtg ttgggtttat 480
gtacacacta taacacttcc tgtgtgagtt catgtacctg tctgtgagtg ctttggtgta 540
ttgagcctca gtacactcca agggcatt 568

<210> 319
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (62)..(66)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t
<400> 319
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tnnnnnctac tcaaagtgcc aaaggctaca gtttttaatg acttaacaaa ttgtaccaca 120
ttgttaagga catataatga tagacactag aactcagacc tctgcatgta tatttgataa 180
catgtctttt gtaaaacaaa aattacaaaa aaatttgttt acattccact ggtaccttaa 240
tttaaaataa atcagactaa aaggtggtat ctcttcttag tgttctattt atcttatttg 300
ctaatgggag cacttcttcc tttgttaggc tgtgctttac tgataaaacc aagtattgaa 360
taaagagagt taattatctt tttaaagtaa ataaaattat gnaaatatat atagtatata 420
taaagtactg tgtttaaaaa aatgttatgc aatgttttcc aaactgataa agtttgtaaa 480
gtgctataaa tgtattttgt taagtacaga taaaagctat tgtgtgagta tattgtgcta 540
aaa 543

<210> 320
<211> 258
<212> DNA
<213> Homo sapiens
<400> 320
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gcctggtcct ctaatgcctt gtttccattt cagttgttct ttgagagaca gaatgatgta 120
ctaaccattc gtgattatta agatagggtt gggtcagggc ttagggaggg ggcagaaata 180
ttggggatag aaaaaaaatc tgatcattcc tcagtgctac ccatttctgt cctgtgtggg 240
ctgcttagct agacagca 258

<210> 321
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t
<400> 321
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cagcgggcat tgtctttgga gcagcaggag antaggatgc ctctcactca catgccagtt 120
cctggctggc cagctgctca gggctcaggc tggggcctcc cattgacatc ctccccctac 180
actccctctn tgagcctccg tcgcccctcc tgttgggtaa gggtgttgag tgtgacttgt 240
gctgaaaacc tggttcatat ata 263

<210> 322
<211> 529
<212> DNA
<213> Homo sapiens
<400> 322
gactgtctca tgtatctgca agggccgagg aaattaatga cccaaggagg ctatgatatg 60
gtccaaaaac ttttcctgga ttttttccgt aggcggctga gccagaggcc aactgcagag 120
gaactggaac agaggaacat tttgaaacct cggaatgaac aagaggaaca ggaggagaag 180
agagagatca agaggaggct aacccgaaag ctcagtcaaa ggcccacggt ggaagagctt 240
cgggaaagaa agatcctcat ccgcttcagt gactacgtgg aggtggctga cgctcaggac 300
tatgaccgca gggcagataa gccgtggacc cgcctcaccg ctgcagacaa agctgccatc 360
cgaaaggagc tcaatgaatt caaaagcact gagatggaag ttcatgaatt gagtagacac 420
ttaacaaggt ttcaccgacc ttaacagtcg aattcctctt gagtgctatg ctgtcttcaa 480
aacataaatt tataagaacc ataagtgctg gtatttattc acttcccca 529

<210> 323
<211> 467
<212> DNA
<213> Homo sapiens

<400> 323
gacatggtac cagatgcgct gcagcagaac ccgggcgcct tcaggctagc tcccgccctg 60
cctgcccggc cccaccgagg cctgagcacg ttcccgggtg ccgagcactg cctccgggct 120
tcccccaaga ccacgcttag cggtggcttc ttcgttgctg taattgaacg ggtcgagatg 180
ccgacgtgag tgagtggggg catgcttggg aggcgcagga tggtactggc acatctaaca 240
tctacacttc tctagctcag cctcacaggc caaagcatca gcaccagaac gcacacccag 300
cccagcccca aagagaaaga agagacagca aagagccgca gccggtgctt gcacaccgcc 360
ttgcacatag cagaggctcc aggctgactc cttcctggtg ggaaaggaag atgcctgtcc 420
tctccgtgga ggaccctggg ccctcaccgc aggcagcagt ttgcatt 467

<210> 324
<211> 145
<212> DNA
<213> Homo sapiens
<400> 324
gagaattccg aattggggaa cacacgatac ctgtttttct tttccgttgc tggcagtact 60
gttgcgccgc agtttggagt cactgtagtt aagtgtggat gcatgtgcgt caccgtccac 120
tcctcctact gtattttatt ggaca 145

<210> 325
<211> 208
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (148)..(148)
<223> n is a, c, g, or t
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agcaggcaac aacatgctgc tggtnggggt tcatggcccn angacccccc gcgaggagnn 120
nnngnngnag cacgtgggca gccggctnta cagcgtgtcc tacctgctca aggacaaggg 180
ggagtacaca ctggtggtca aatggggg 208

<210> 326
<211> 354
<212> DNA
<213> Homo sapiens
<400> 326
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ttgccaatgg gcgcgggaga cattgtatac acatcatgct atttaaaata cgttcaaact 120
atagtgtaaa tgctaattaa ccatattggt atataaccgg aattttatat taaaaggggc 180
ctcctttta aatatatgcc gtgtaaaaaa tgtacttata ggaacatctc tttgaattgt 240
atttcttgta tattacatac ttagagagag actcttttag ccaggcaaag tctttttgg 300
ctgtggctgg aataaatcat ttattacttg ggagtcccat tttggacact aata 354

<210> 327
<211> 518
<212> DNA
<213> Homo sapiens

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<222> (71)..(71)
<223> n is a, c, g, or t
<220>
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<222> (73)..(73)
<223> n is a, c, g, or t
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<222> (112)..(112)
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<222> (163)..(163)
<223> n is a, c, g, or t
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<222> (295)..(295)
<223> n is a, c, g, or t
<400> 327

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nnnnncagca ncnatacaat aaggagggtt ttaatgtgaa gcaggcaatc tnccagcccc 120
ttctggtctt ggatgaaata gttgcacaga gtattgcacc aanaatacac aatggaggct 180
gaaaagttca acatatttta agtcaattaa tcaaattgca ttgattcttg atgctttctt 240
agaggcctac atgatttctt agattgctct gataaactat cataaggggt ccacntcccc 300
tcatttagct cccccaggga tttcttttcc cccatgtcat acacccagtc ctaaatcaac 360
ccccaaggct atccttccat cccttctgca gagggaactt ttgtcagact ctgcaacaaa 420
ctcctagctc tatccagagt gtcctctgct gctaagattg gtatctttct cctcaaaagc 480
ctggatggtg aatgggggtg cattagtcag aattctcc 518

<210> 328
<211> 509
<212> DNA
<213> Homo sapiens
<400> 328
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attcttcacc ctcatgcttc catcccaagg caaacatgtg tcttcatcgg aatctatggg 120
tgttgaagtt aaatgtgggg gcagagattt aacaccatga cactaataca aatcaaccat 180
tcttcacttt caaatggtta atcactacag gaaggcgaac tcttttcttg gtttttgttt 240
aaaaacattt tatacatata tatgtatata tgtgtgtgta tgtatggaca taggtatgta 300
tatgcacatg tacatgtata tatgtatata tccatcttca atataaatat atcataagtg 360
agagttgtaa atactccttg gtcatatgtc tgtctttctc atagtatcat atcttcaatg 420
ttatgttaac aactccattt attgattgat gaaatcgtgt gtagacctgt atcctcctga 480
catagtttat gtagggtctc ttctcaaat 509

<210> 329
<211> 539
<212> DNA
<213> Homo sapiens

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<222> (84)..(84)
<223> n is a, c, g, or t

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<222> (90)..(91)
<223> n is a, c, g, or t
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gagntcgagg aggaggaggg cgangacgan ncgtagatgc ccccgcgaga cgggttaggg 120
aaagcggagg aggaaagcga gggggtgggg ggcttcccgg gacgataacc tggcagtgga 180
aggaaagaag catggtctac tttaggtgtg cgctgggtct ctggtgctct tcactgttgc 240
ctgtcacttt tttttccttt tttgtaatat tgatgacatc aatgtaacat ttgagatatt 300
tctgaattac tgttgtaatg gctaaaatca cataaacgtt tgtgtcggaa tggtgtcctc 360
tctttctctt ccttttttctc tttattaacg atttaaatgt aactttctga acacattgca 420
ttgaattctt cctttaacaa aaagcaaagg cgtaggtaaa agctcaaatg aatttattct 480
ttcggtatgg taaaattgaa ccaatcacag ttaagatgag agatcaacct gagttttaa 539

<210> 330
<211> 471
<212> DNA
<213> Homo sapiens
<400> 330
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ctatttagta atctctttct taagcagagg agtggcaagg atggcaatct tgaattttat 120
tttctgtaga gatagcattt cttctggtgc ggagctgaaa ggaatccacc cagaagttct 180
gtagcatcct gcgtgcagcc tcctggagcc ccagactcca tctgggggag ggacttgttt 240
acaagcagtt ctgaccacct tagtggtgta ctgttttcta ggcaaaaaat atctgtctgt 300
tgtactgtat agcctttaaa atgcagtcca ggaatgagac tcttttaaga aacacatcct 360
gcttctgcaa ttccagagag tgctggggga aaaaaaggga taaaaattcc tacctactca 420
tcagtgtttg aaagatggag ctgaatagct tttcttgttc ctggactagg c 471

<210> 331
<211> 559
<212> DNA
<213> Homo sapiens

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<222> (61)..(66)
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<222> (68)..(69)
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<222> (88)..(88)
<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t
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nnnnnngnng ccaagaactc gattcttnat gtgaaagctg aagtacacaa gtccttggac 120
agttacncag caagcttggc caaagccatt gaggccgaag ccaaaatcaa cttatttggg 180
gaggaggctt tgccaggggt cttggttaca gcacggactg tcccgggggg cggcttcggg 240
ggccgccgag gcagcagaac tcttgtgagc cagaggctgc agttgcagag catcgaagaa 300
ggagatgttt tagctgccga gcagagatga gggcctcagg gtgccgtggg gctgcagcct 360
gagaggctgg cccggggagg agttcccatc accgcctgtg ccgcggcctt gggagcatgt 420
cactgtgtac agctggccac acacagggaa ggagcagcat ctggtatgca gccaccagga 480
caaggactga aaataatgtc tacagtccac agcttcagca tttccagaga ccacatgtga 540
gcttctttta ggtcccagt 559

<210> 332
<211> 115
<212> DNA
<213> Homo sapiens
<400> 332
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cgctgaggga gttcctcttg ccccctaccc ccggggcttg tatatagatt ataaa 115

<210> 333
<211> 486
<212> DNA
<213> Homo sapiens

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<222> (99)..(100)
<223> n is a, c, g, or t
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<222> (106)..(108)
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<223> n is a, c, g, or t
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<222> (152)..(152)
<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<222> (250)..(250)
<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<222> (263)..(263)
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<222> (266)..(266)
<223> n is a, c, g, or t
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<222> (296)..(297)
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<222> (450)..(450)
<223> n is a, c, g, or t
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<222> (455)..(455)
<223> n is a, c, g, or t
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<222> (461)..(461)
<223> n is a, c, g, or t
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tggtttttta attttcttct gtttctgatt tttgtngtnn ggggtnnntg tgtgtgttng 120
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tntaacagag aatatggcca gtgcnttgag 180
ttctttctcc ttctctctct ctcttttttt tnnaaataac tcttcnggga agntggnttt 240
ataagccntn tngccaggtg tanacntgtt gtgaaatacc caccactaaa gttttnnaag 300
tnnccatatt ttctccattg ngccttctta tgtattnnca nagattattc ntgtgcactt 360
taaatttact taacttacca taaatgcagt gtgacttttc ccacacagnt ggattgtgag 420
gctcttaact tcttaaaagt ataggnggcn tcgtngtgaa ntcctataag cagtctttat 480
gtctct 486

<210> 334
<211> 473
<212> DNA
<213> Homo sapiens

<220>

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<222> (191)..(192)
<223> n is a, c, g, or t
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caagggcgcc tcacctgctc ttcaagaaac agcgagaggg agacccaggg ggctgaaact 120
tgaactctgg ttcttttaaa attaattttg gttggtgttg ggggaggcgc gagtgcgtgt 180
gagaagaacc nncccacccc gcgcaagggg aagcctcctg tctccccttt ccccgcgtcc 240
gagaaggcgg aaacccacag tgttacctga cttatgaaac ttgaaaccgc ctctggagcc 300
gccattctgc agagtatttg gaaaaagaaa aaagggttta tgcttacgtc tctggggtcg 360
gggggattat gtcacgagcg ttcaaactgc tggaaatctc aaaactgtac tgtctttatt 420
tttgtatatt gtatttatat ataaaaagaa acgtctacgt atgcatgcta aat 473

<210> 335
<211> 562
<212> DNA
<213> Homo sapiens

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<222> (241)..(243)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (251)..(253)
<223> n is a, c, g, or t
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<222> (256)..(256)
<223> n is a, c, g, or t
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<222> (259)..(259)
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<222> (261)..(264)
<223> n is a, c, g, or t
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<222> (339)..(348)
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<222> (352)..(353)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t
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<222> (357)..(357)
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<222> (362)..(366)
<223> n is a, c, g, or t
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<222> (404)..(404)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (537)..(537)
<223> n is a, c, g, or t
<400> 335
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ggaagattac attttttttc ctttggaaac tgaatgccat aatctcgatc aaaccgatcc 120
agaataccga agatcggcac aggacagaaa agcgagtcgc aggaggaagg gagatgcagc 180
cgcacagggg atgattaccc tcctaggacc gcggtggcta agtcattgca ggaacggggc 240
nnngttntct nnnggnacna nnnnggagct catctctttg gggtcacagt tctattttgt 300
ttgtgagttt gtattattat tattattatt attattatnn nnnnnnnntt tnntntntnn 360
gnnnnntgag caactcaaag aggcagaaga ggagaatgac tttnccagaa tagaagtgga 420
gcagtgatca ttattctccg ctttctcttt ctaatcaaca cttgaaaagc aaagtgtctt 480
ttcagccttt ccatctttac aaataaaact caaaaaagcc gtccagctta tcccatnctc 540
tgattgtctt ctgacttaag gg 562

<210> 336
<211> 189
<212> DNA
<213> Homo sapiens

<220>
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<222> (85)..(85)
<223> n is a, c, g, or t
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atgtcctttt aggctgggca tggtnggctc acgcctgtaa ccccagcact ttgggaggcg 120
gagacgggca gataacctga ggtcaggatt tcgagaccaa cctgacctac atggagaaac 180
tccgcctct 189

<210> 337
<211> 523
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (47)..(47)
<223> n is a, c, g, or t
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<222> (74)..(74)
<223> n is a, c, g, or t
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<222> (86)..(86)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t
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<222> (434)..(434)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t
<400> 337
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tgggatcacc ttcntgtctg gaggcnagag tgaggaggag gcgtccatna acctcaatgc 120
cattaacaag tgccccctgc tgaagccctg ggccctgacc ttctcctacg gccgagccct 180
gcaggcctct gccctgaagg cctggggcgg gaagaaggag aacctgaagg ctgcgcagga 240
ggagtatgtc aagcgagccc tggccaacag ccttgcctgt caaggaaagt acactccgag 300
cggtcaggct ggggctgctg ccagcgagtc cctcttcgtc tctaaccacg cctattaagc 360
ggaggtgttc ccaggctgcc cccaacactc caggccctgc cccctcccac tcttgaagag 420
gaggccgcct cctnggggct ccaggctggc ttgccngcgc tctttcttcc ctcgtgacag 480
tggtgtgtgg tgtcgtctgt gaatgctaag tccatcaccc ttt 523

<210> 338
<211> 493
<212> DNA
<213> Homo sapiens

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<222> (161)..(161)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (165)..(176)
<223> n is a, c, g, or t
<400> 338
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atttcatggt tttcagtggc aacttactga cccttgtttt tgcctgtgct tgtatgcatg 120
cattttcaag caagtaataa agcagcctca tttaattctg nanannnnnn nnnnnnacat 180
atagactgaa tgctataatc aaatctattg acagtatctg cagttctttc agaattccag 240
ggcaaataat ataacgacct gatatctttc tacaggaata ttttcagaca ttatatagca 300
cattactgat ttaatgcttt tacttttatc tttcaaaaca aattcactaa aaattaacag 360
ctatgattct gaagtcacct ttctcaaacc ttgaaaatga gctctaggat ctctataaac 420
atttctaaca cttttcctgt agttaccata gacagacatc tgtcgttaga cctgtgtggt 480
atttcaaaga act 493

<210> 339
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t
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ngccaaatac ctgatggaac taactatgtt ggactatgac atggtgcact ttcctccttc 120
tcaaattgca gcaggagctt tttgcttagc actgaaaatt ctggataatg gtgaatggac 180
accaactcta caacattacc tgtcatatac tgaagaatct cttcttccag ttatgcagca 240
cctggctaag aatgtagtca tggtaaatca aggacttaca aagcacatga ctgtcaagaa 300
caagtatgcc acatcgaagc atgctaagat cagcactcta ccacagctga attctgcact 360
agttcaagat ttagccaagg ctgtggcaaa ggtgtaactt gtaaacttga gttggagtac 420
tatatttaca aataaaattg gcaccatgtg ccatctgtac ata 463

<210> 340
<211> 262
<212> DNA
<213> Homo sapiens
<400> 340
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aatccacact ggggagaagc cctatggatg ttccgtctgt gggaaacgct tcaatcagag 120
tgcaaccctc attaaacacc agagaattca cactggggaa aagccttaca aatgtcttga 180

atgtggggaa agatttagac aaagtacaca ccttatccga caccaaagaa ttcatcaaaa 240
taaagtgctg tcggctgggc gt 262

<210> 341
<211> 459
<212> DNA
<213> Homo sapiens

<220>
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<222> (181)..(181)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t
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<222> (430)..(430)
<223> n is a, c, g, or t
<400> 341
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gtagggtaaa tgcacctgat agcaataact taagcacacc tttataatga ccctatatgg 120
cagatgctcc tgaatgtgtg tttcgagcta gaaaatccgg gagtggccaa tcggagattc 180
ngtttcttat ctataataga catctgagcc cctggcccat cccatgaaac ccaggctgta 240
gagaggattg aggccttaag ttttgggtta aatgacagtt gccaggngtc gctcattagg 300
gaaaggggtt aagtgnnnnt gctnnatnnn ctgcatgatg tttgcaggca gttgtggttt 360
tnctgcccag cctgncacca ncgggnccat gcggatntgt tgntccancc naacaccncn 420
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<210> 342
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<213> Homo sapiens

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<222> (315)..(315)
<223> n is a, c, g, or t
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<222> (388)..(388)
<223> n is a, c, g, or t
<400> 342

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caggcaacaa catgctgctg gtgggggttc atggcccaag gacccctgc gaggagatcc 120
tggtgaagca cgtgggcagc cggctctaca gcgtgtccta cctgctcaag gacaaggggg 180
agtacacact ggtggtcaaa tgggggggacg agcacatccc aggcagcccc taccgcgttg 240
tggtgccctg agtntggggc ccgtgccagc cggcagcccc caagcctgcc ccgctaccca 300
agcagccccg ccctnttccc ctcaaccccg gcccaggccg ccctggccgc ccgcctgtca 360
ctgcagccgc ccctgccctg tgccgtgntg cgctcacctg cctccccagc cagccgctga 420
cctctcggct ttcacttggg cagagggagc catttggtgg cgctgcttgt cttctttggt 480
tctgggaggg gt 492

<210> 343
<211> 333
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (299)..(299)
<223> n is a, c, g, or t
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gaagagcttt gggaagcaaa ggcagaggcc ctggggtggg agcaggcttg ttttattgga 120
aggaccagaa aactggtaag tgtgacccag atcaagtgtg aggagatgag gctggggata 180
gtcaggggct ggatcaccca gggccttgtg ggccccacat agggttttgg gttttattct 240
cagggcaatg ggaagctgtt ggatggtttg atgnaagggg agtgacagga tccgatgtnc 300
ctatttaaga atttaagagg gtcgggtgcg gtg 333

<210> 344
<211> 514
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (411)..(411)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t
<400> 344
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tgccaccnca aaccatcaca gagtctttaa ntgcaantca atnggtcant gctagtcaaa 120
gctatgttct tanaaaancc ccagacagcn tcagagcntc agaaaatccn tgtggagtgg 180

ctgctctgta ccgtgggcat ccggcagcca ggaagtgaga caacataatt ataactttgt 240
tttatgatgc tgcatcattt gtactgttta ggtcgacgtg aggacatcat cttatttaga 300
attttccgtt tggcantctc ttttgggtgg gagttatgct gggggttgta aataatgaca 360
aggctgagat ttttatgatg tttaaattgg gcacaatgat tttgacctta ntccccaaac 420
ttcttttctt ttctactgtt taacatacac aggctattta tacacgtccc cagctcccat 480
ntgaaacctg tgactcaggt ttatgaatgg tgtt 514

<210> 345
<211> 387
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t
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cccccggccg tcccccctca tcgccccgcg cccaccccca tcgcccctgc ccccggcggc 120
ggcctcgcgt gcgagggggc tcccttcacc tcggtgcctc agttccccca gctgtaagac 180
agggacgggg cggcccagtg gctgagagga gccggctgtg gagccccgcc cgcccccccac 240
cctctaggtg gccccccgtcc gaggaggatc gttttctaag tgcaatacnt tggcccgccg 300
gnttcccgnt gcccccantc gcgntcacgc aataaccggc ccggcccccg tccgcgngng 360
tcccccggtg acctcgggga gcagcac 387

<210> 346

<211> 550
<212> DNA
<213> Homo sapiens
<400> 346
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cctgacagtg cagtgatctc tttctctgcc aatatttcaa cataaggagc cccagatggc 120
acaagatcat cttccaattt aacagaccca taactatatt ccctggtgga agcagttcct 180
cttggtcact agagatttcc aaacccacaa aacctaaggt ttcttggtta aaggccatgt 240
ttgtgggata tgctgagatg aatatgctgt ggtttgaatg tgtcccccaa agttcatatg 300
ttggaaactt gattcccatt gcaacagtgt tgagatctgg ggcccaatga gaggtgatta 360
ggccatgagg gcggagtgaa tggattaatg cagttatctc aagagtgggt ttgttatgaa 420
gggggtgttt ggtcctcttt tctctcttgc ccatgtgatt ccttccacca tgtttatgat 480
gcaacaagaa ggtcctcacc agatgctggt tccttgatct tgtattttgc agcctccaaa 540
atcgtgagcc 550

<210> 347
<211> 535
<212> DNA
<213> Homo sapiens

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<222> (256)..(256)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t
<400> 347
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ggaagtgtct tacccaaggt cacatggttt cagagaaatt atgttgaatc caataagcct 120
tcccggacat tccaagcctc ttaaccatgg catctatgtt gaggatgtca atgtttattt 180
cagcaaagga cgtcatggct tttaaaaact ccttttaagc ctccttgttt tgatgtcacc 240
ttggtaggct gggccntctg agaggttgga agctctaggc attgttctct ttggatccag 300
ggatgctaag tagaaactgc atgagccacc agtgccccgg caccctttaa caccaccaga 360
tgggtgtttt cccccatcca ccactggcag ggttgcccct tccctccaat catcactgtg 420
ctccttttt cccggcctac gaggcagctc ctgccactat ctttagagcc aataaagaga 480
attaaaaacc tgtgcaccag gnagcatctt ttaaatacac tagccattct cttgc 535

<210> 348
<211> 517
<212> DNA
<213> Homo sapiens

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<222> (210)..(210)
<223> n is a, c, g, or t
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<221> misc_feature

<222> (481)..(481)
<223> n is a, c, g, or t
<400> 348
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ggagcttcgg ggtgatcctc tgggagatct tcacctatgg aaagcagcca tggttccaac 120
tctcaaacac ggaggtcatt gagtgcatta cccaaggtcg tgttttggag cggccccgag 180
tctgccccaa agaggtgtac gatgtcatgn tggggtgctg gcagagggaa ccacagcagc 240
ggttgaacat caaggagatc tacaaaatcc tccatgcttt ggggaaggcc accccaatct 300
acctggacat tcttggctag tggtggctgg tggtcatgaa ttcatactct gttgcctcct 360
ctctccctgc ctcacatctc ccttccacct cacaactcct tccatccttg actgaagcga 420
acatcttcat ataaactcaa gtgcctgcta cacatacaac actgaaaaaa ggaaaaaaaa 480
naaagaaaaa aaaaccctgt aaggcagttt ggcaaat 517

<210> 349
<211> 459
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (298)..(298)
<223> n is a, c, g, or t
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ccagacctac gtacagaatg tanattagca agattcgcta ggtggtttat gtgcacgtta 120
aagtttaaga agcactgcct gagaatccct tggtcctaat taattctttt ccacactcag 180
atttgctaat gggtttcacc ttatctcttg actcttgttt gatggcaaca ggaaatagta 240
gcatttcagg aagggtggaa aatataaaaa gcactcccaa cccaagcctc caaaaaanca 300
gcaattttca ttttgtgtcc atatattccc ttctaatcat tgtcctcatg caagattttt 360
tttcataaag atgatctgct acataatttt atatcatact ctttctccta acattacatc 420
acaagtatac tttcatgttg ctgctacatt cttcacact 459

<210> 350
<211> 485
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t
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<222> (349)..(349)
<223> n is a, c, g, or t
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<222> (380)..(380)
<223> n is a, c, g, or t
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atgaaggtgg agctgagccg tagaactntc tgggagccat ccaacctggc tgtggctcat 120
aacaaggtat tgatcacttc ctttggcctg agtgagtcca gggtgcctag acaagaggta 180
gcagcctgtg gatgtccagc acctttgcag ggaatacagg gcccaatctg gcacatgccc 240
cttttcctcc aggcccagag caggggctgt tgccgaaagg ctgtgganca acaagttgac 300
atctgacctg acatttgcct atgaacgttt gtcacacttc cgctgtgant tgctgaggta 360
agcaagctgt ggggccttcn caaggcggag caggccagat ccagggctgg ggaacccctt 420
agagagagga agacaataat taacaatagc taacacttac agaggcttat agtcagccct 480
catcc 485

<210> 351
<211> 553
<212> DNA
<213> Homo sapiens
<400> 351
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gtgtgtgtgt gtgtattttg cctggtgggg ggttaaaggc agatagaatg tagttgttta 180
tgagtttata ctttctcttt agcataatag atgccctgtt tattttctca gaatgtgaca 240
ataaaattag gaaaggagag gaattcagag gcccatgttg cagttcatgg caaagtttta 300
cccaaatatt tccttcagaa acatttagtc atagcaagcc atataaatta ttgtctgcaa 360
ctggtatcag aaaaagaaat cagtaggtgg ggactgtaga ccccaatggt gcatctgttt 420
acaatctttc ttttccaagg ttttaaggtt catgaataac atgagggaat tttgggagag 480
ctaccacatc agtactttgg cacgcattaa ctgttccaca ggaaaactag ggttgcttca 540
gggctatttt tgt 553

<210> 352
<211> 447
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (193)..(193)

<223> n is a, c, g, or t
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<222> (297)..(297)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t
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attgcctgta tgatcgggta ccgaccttgc ccctggatga aatggtgctg gtccttcttc 120
accccgctgg tttgcatggg catcttcatc ttcaacgttg tgtactacaa gccgctggtc 180
tacaanaaca ccnacgtgta cccgtggtgg ggtgaggcca tgggctgggc cttcgtgctg 240
tcctccatgc tgtgcatgcc actgcacctc ctgggctgcc tcctcagggc caagggnacc 300
atggctgagt gctggaagna cctgacccag cccatctggg gcctccacca cttggagtac 360
cgagctcagg atgcagatgt caggggcctg accaccctga ccccagtgtc cgagagcagc 420
aaggtcgtcg tggtggagag tgtcatg 447

<210> 353
<211> 538
<212> DNA
<213> Homo sapiens
<400> 353
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gctcgaagca ggtttaggac caggtcccct tgagaggtca gaggggcctc tgtgggtgct 120
gggtactcca gaggtgccac tggtggaagg gtcagcggag ccccagtgcc tccttgtgca 180
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agagaacccc agacctgccc ttacagtagt gtagcgcccc ctccctcttt cggctggtgt 300
agaatagcca gtagtgtagt gcggtgtgct tttacgtgat ggcgggtggg cagcgggcgg 360
cgggctccgc gcagccgtct gtccttgatc tgcccgcggc ggcccgtgtt gtgttttgtg 420
ctgtgtccac gcgctaaggc gacccccctcc cccgtactga cttctcctat aagcgcttct 480
cttcgcatag tcacgtagct cccaccccac cctcttcctg tgtctcacgc aagtttta 538

<210> 354
<211> 556
<212> DNA
<213> Homo sapiens

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<222> (74)..(74)
<223> n is a, c, g, or t
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<222> (91)..(91)

<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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gtagatgacg gctnccgcat ccacgtcatt naccacagtn gcgcccgcnt tngtgagtat 120
naggacgtgt cccgggtnga gaagtacacg atctncacaa gnaagcctna cgaccagagg 180
nnangnacgg gcaggtgggc gtcgagggac acggtccgct ctttcctgaa gcgcagcaag 240

ctcggccggt acaacgagga ggagcgggct cagcaggagg ccgaggccgc ccagcgcctg 300
gccgaggaga aggcccaggc cagctccatc cccgtgggca gccgctgtga ggtgcgggcg 360
gcgggacaat cccctcgccg gggcaccgtc atgtatgtag gtctcacaga tttcaagcct 420
ggctactgga ttggtgtccg ctatgatgag ccactgggga aaaatgatgg cagtgtgaat 480
gggaaacgct acttcgaatg ccaggccaag tatggcgcct ttgtcaagcc agcagtcgtg 540
acggtggggg acttcc 556

<210> 355
<211> 497
<212> DNA
<213> Homo sapiens
<400> 355
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aaaacgagaa caagaccgcg gccccggcca ccaccggcca agacagggct gaagcagagg 120
aggaagagga agagtgaccg atggagaaag ggcacaggaa gagacatgag aagggagacg 180
aagacaagca gctctgggaa ctgaatcagg aaactcaaat cgaataggga actaaaaaac 240
aaaacaaaaa acaaaaaaaa acaaaaaaaa accctattta aatgaaacga gtttaaaaac 300
atttttaag gagggaggtt tggtttttt gtacaatatg aaaaggacat tatctacctg 360
ttctgtagct ttctggaatt tacctcccct tttctatgtt gctattgtaa ggtctttgta 420
aaatcttgca gttttgtaag ccctctttaa tgctgtcttt gtggactgtg ggtctggact 480
aaccctgtgg ttgcctg 497

<210> 356
<211> 533
<212> DNA
<213> Homo sapiens
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cagagagtga tgtatggagc ttcggggtga tcctctggga gatcttcacc tatggaaagc 180
agccatggtt ccaactctca aacacggagg tcattgagtg cattacccaa ggtcgtgttt 240
tggagcggcc ccgagtctgc cccaaagagg tgtacgatgt catgctgggg tgctggcaga 300
gggaaccaca gcagcggttg aacatcaagg agatctacaa aatcctccat gctttgggga 360
aggccacccc aatctacctg gacattcttg gctagtggtg gctggtggtc atgaattcat 420
actctgttgc ctcctctctc cctgcctcac atctcccttc cacctcacaa ctccttccat 480
ccttgactga agcgaacatc ttcatataaa ctcaagtgcc tgctacacat aca 533

<210> 357
<211> 534
<212> DNA
<213> Homo sapiens
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atggcaccag gatttgaatc tgggtcttta tacatcatag cccatgctgt tctcactgta 120
ttttgctttt tccaagtata accccgtttt cacacgaatg gccccttcac atatttgaag 180
actaccgtcg tgtccgtgct gacccttttct ccctgccaca catggctgga gtgcaatggc 240
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gcttgagcct aaatctggct ggatgacttt tctagaagtt acaggaaaga tctgtgaaat 360
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<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<212> DNA
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<212> DNA
<213> Homo sapiens
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<213> Homo sapiens
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<213> Homo sapiens
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<211> 487
<212> DNA
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<212> DNA
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<211> 475
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<211> 464
<212> DNA
<213> Homo sapiens
<400> 436
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gtagatgaca tcatgtttca gaaacctgtt gaggttggct cattgctctt tctttcttca 120
caggtatgct ttactcagaa taattatatt caagtcagag tacacagtga agtggcctcc 180
ctgcaggaga agcagcatac aaccaccaat gtctttcatt tcacgttcat gtcggaaaaa 240
gaagtgccat tggttttccc aaaaacatat ggagagtcca tgttgtactt agatgggcag 300
cggcatttca actccatgag tggcccagcg accttgagaa aggactacct tgtggagccc 360
taagaacacc acatttgttg aaaactagca ctctacccac agtgacgtgg tatctgatga 420
agacctgatc gagtgtattg attttagtat tgcttcgtgt cctc 464

<210> 437
<211> 533
<212> DNA
<213> Homo sapiens
<400> 437
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atggctgtct tttacagatg ggaaaactga ggcctgatgc tggagattct atgagggtgc 180
tctcctcaag ggtatcagac ggtcgtaggt tcttaagaat ttgattcatc agtggcaggc 240
catgcataga gccacgggag gtgcgtcctt gttttccagg aaatgttctt agaacttgga 300
ctactgatta ttaattgact gtgccttggg aaacagtggg aagtaacttg gtgcagcact 360
ggggtattgt tggactggtt caattcgttt aactcgaatt cttgctcctg gccgtggtta 420
agctgtgtac agatgatgga gagtttggcc tcaagttttt ataaactgag cgagactagt 480
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<210> 438
<211> 502
<212> DNA
<213> Homo sapiens
<400> 438
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ctgccgggcc ccgagctgtc cgcagagccg gacgggcccc tcaacgtcaa cgtcttcacg 120
tcggcggagg agctggagcg ggcgcagcgg ctggaggagc gcgaacggat cctgcgggag 180
atctggcgca ccgggcagcc ggacctgctg ggcacaggca cgctggggcc cagccccacg 240
gccacgggca ccctgggccg catgcactat tactgatggg ccccggctcc cgctgcaagg 300
cgctcggggt accggacctg cacatgagct cagagctacc ccacaccttc ggactgcctc 360
ggcccccaca gctcccaggt gctactgggc gtggaccgcc acccccctgag aggctccctt 420
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cctctctggg gtcgatgaag ag 502

<210> 439
<211> 485
<212> DNA
<213> Homo sapiens
<400> 439
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atggttgtct ctttcccccg ctatgtcata ggtagtggag gaagcgaagg aagtgaacgc 120
tgaatgtgac gcatttctga agagctcagc tgtcaccggg catagcctgg aagccccaag 180
tctgttctga ctttgcctgg ctgtctcctt gacccgcctc ctagatcatt gtccttgatg 240
tccaggctgg gtcatttaaa atagagatgc aatcaggaag gttgggggac ttgggactgt 300
ggctgaattg agaccttgct gatgtattca tgtcagcacc tgagtcacag cccaggtgcc 360
cggaagcagc ctcttcgcat aggcagtgat ttgcgattac tttaaagctc acctttttttc 420
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ctgtt 485

<210> 440
<211> 525
<212> DNA
<213> Homo sapiens
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ctgctatgcc caggtgcgtc gggcacagct gggaaatggc cagaagatag cctgccttgt 180
gctggccatg gggctgctgg gccccctgga ctggctgggc caccccccctc agatcagcct 240
cttctacatt ttcaatttcc tcaagtacac cctctggcca tgcctagtcc tggccctcgt 300
gccctgggca gtgcacatgt tcagtgccca ggaagcaccg cccatccact cttcctgact 360

tcttgtgtgc ctccctttcc tttccctccc acaaagccaa cactctgtga ccaccacact 420
ccaggaggca gccccatccc cttccagccc ctaagtaggc cctcccctcc ctaaatctgc 480
ttccgcacca cctggtctta gccccaaaga tgggccttct ctctc 525

<210> 441
<211> 403
<212> DNA
<213> Homo sapiens
<400> 441
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caaactgctg catgagtggc tgccccaact gcgtgtgggt ggagtacgcg gacaggctgc 180
tgcagcactt ccaggacggt ggggagcggg ccctggctgc cctggaggag cacgtggctg 240
atgagaacct caaggccttc ctcaggatgg agatccggct gcacaccagg tgcggaggct 300
gagccatccc tgctggactc cctaccgcag gacggagtcc aggacgcagc cgcagcctcc 360
ttccttcaca ccccctcaca gactccttgt gtccaacggg aat 403

<210> 442
<211> 346
<212> DNA
<213> Homo sapiens
<400> 442
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tggcggcccg agcccggctg gcaggtgaac tggcaggcca ggaagaggag gaagccctgg 120
aggggctgga ggtgatggat gttttcctcc ggttctcagg gctccacctc tttcgggccg 180
tagagccagg gctggtgcag aagttctccc tgcgagactg cagcccacgg ctcagtgaag 240
aactctacca ccgctgccgc ctcagcaacc tggaggggct agggggccgt gcccagctgg 300
ctatggctct ctttgagcag gagcaggcca atagcactta gcccgc 346

<210> 443
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t
<400> 443
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gccgggcaga ggcgctcctc acttcccaga tggggcggcg ggcagcagag acgcacctca 120
cttcctagac agtgcggcag ccaggncaca ggcacacctc acttcccaga cagttgggcg 180
gccaggcaag cgctcctcac ttcccagatg gggcggctcn cgggaagcgg ggctcctcac 240
ttcccagaca gggtggccag gcagaggtgc tcctcacttc ccagaacaat tctttatgaa 300
tttgataaag gactgaagtg caactgaaag ctgctagtga tgatctggta atatacaatt 360
tgtccagtag ccagtttg 378

<210> 444
<211> 556
<212> DNA
<213> Homo sapiens
<400> 444
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gtcatcgcca tgtccttgca gctggaccgc aggggcatgt ggaacatgct ggggccctgc 120
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tgctacccca cctcgtggca gcgctgggcc ttctacctcc tgcccggcgt ctctatggcc 240
tctgtgggca tcgccatcta cacctccatg atgactagcg acaactacta ctacacccac 300
agcatctggc acatcctgct ggccgggagc gcagccttgc tgctgccgcc acctgaccag 360
cccgccgagc cctgggcctg ctcgcagaaa ttcccctgcc actatcagat ctgcaagaac 420
gatcgggagg aactgtacgc agtgacgtga cactggcctg gggacagctg ctgctctgat 480
gacctcttca gccaggagct gtatcgaggg ggaggcgcct ggtccagccc tggacagatt 540
gatttccagc tgaata 556

<210> 445
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t
<400> 445
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gtatgagctg tggccacagg tgagcaaggc agggaactgc aatccagccc tggccgcggg 120
aggggccatc tctggccaat gctgctgtgc cttcaaggac tgacaagtta cgtaggggca 180
gaggtcgcca gctagccagt gtctcctcca tctggggggc gtctgtccac ttgtcacctt 240
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tacttgcagg gggacagagt cctctaaata ctccaatnct gcggttttta caaacataaa 360
gggggagacc ccaagtggag gaccctgggc ctggagctcc ctcccaaact ttgtccagca 420
tccagcctgt tccctgggct cactggggag ggagttgtct tcatagcaca cccagagcca 480
gggatccctt tgtagtttt 499

<210> 446
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t
<400> 446
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aataatcaag tgggaagggg aagcagaggg aaatggggcc atgtgaatgc agctgctctg 120
ttctccctac cctgaggaaa aaccaaaggg aagcaacagg aacttctgca actggttttt 180

atcggaaaga tcatcctgcc tgcagatgct gttgaagggg cacaagaaat tggagctgga 240
gaagattgat gaaagtgcag gtgtgtaagg aaatagaaca gtctgctggg agtcagacct 300
ggaattctga ttccaaactc tttattactt tgggaagtca ctcagcctcc cngtagccat 360
ctccagggtg acggaaccca gtgtattacc tgctggaacc aaggaaacta acaatgtagg 420
ttactagtga ataccccaat ggtttctcca attatgccca tg 462

<210> 447
<211> 361
<212> DNA
<213> Homo sapiens
<400> 447
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ttccatccca acattgatga agcgtcagga actgtgtgtc tagatgtaat taatcaaact 120
tggacagctc tctatgatct taccaatata tttgagtcct tcctgcctca gttattggcc 180
tatcctaacc ccatagatcc tctcaatggt gacgctgcag ccatgtacct ccaccgacca 240
gaagaataca agcagaaaat taaagagtac atccagaaat acgccacgga ggaggcgctg 300
aaagaacagg aagagggtac cggggacagc tcatcggaga gctctatgtc tgacttttcc 360
g 361

<210> 448
<211> 527
<212> DNA
<213> Homo sapiens
<400> 448
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tgggccctgc aggtcctacc cctcggcctt gaagctccct cgggctgcgg actctgcctc 120
ctgggtctga gcattagaac caggagaggg gtgtccctgg gcagagccag gggtgcaaac 180
agcctgcagc catctggcct tttaagtata gtgtgtcgca tttccgggta ggaaggtagc 240
atttcaagtt caaagagagg tcaagtcatg caaccatctt tcctccagca cttttggggt 300
aaggaggaca gtttttgtta tggtttaggg gaaattttca tgaaattttc accattacca 360
atagattact gatgtccatg gcaagtgatc tgttcttggt attttgtttt gttttgtttt 420
ggtttttaaa tgtaatcacc cattggtcag gcccaggact ggtcaccatg agctctgcta 480
gccacggccc caacgatgct tccggctctc atggattcca cagcaaa 527

<210> 449
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (108)..(108)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (187)..(189)
<223> n is a, c, g, or t
<400> 449
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ccatattgca gacatgaaaa aggttatcac aangtagttt ttccaaanct tttttctaca 120
atctggtgtg gttagaaaaa gtaatgtaat aataggaagg gataataccc aaaaaattct 180
ttttaannnt gcttcaggca tgttgaaaac acttggtgga tcttcagaaa cctgactaag 240
gccatgtaaa cttatagaga gctgagagta gccagaatct tcataaaata ttccactatc 300
agttcttgat tgccgacgaa tgaatggttg accttcatct tcccagccca tcagtggctg 360
ttgttcactt ctctccatag ctttggcaag 390

<210> 450
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t
<400> 450
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accaacgcgc tgaccaatgg cgtgctgcct gccgtgcaga gcttttcctg cttaccctac 120
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ctggcagccg gcgtggccat ccaggtgggc tctctgctcg gcgctgttgc tatgttcccc 480
ccgaccagca tctatcacgt gttccacagc agaaa 515

<210> 451
<211> 387
<212> DNA
<213> Homo sapiens
<400> 451
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tactcgttcc tatagaacac agaggacata ggaaaccctt aaaacacaca tgggattctc 120
tggtcacagt tttgggttca ggctatgctg ctttgggcag gtggagcacc ccccgaggaa 180
gcctgcaagt ccagggcaca ggctgccttt tggagggagg gctggcccat aggtgctgct 240
ggctccccgc caccagctgg gcctcagccc tcacggcatt cctgctgagc accgtggggc 300
acccagggag caggggcgtc agggatcctg ctgccggcac ccctgtgccg ctggcatgag 360
ggccgtgtcc ccactgtgaa ggatgaa 387

<210> 452
<211> 449
<212> DNA
<213> Homo sapiens
<400> 452
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taatctcaag aatctttcct taattacatg caaatactct ttatccaaat tagtttgcat 120
tcacaaattc tggagcttag tacttggaca tatattttgg ggggttgatg gttggagggg 180
cttttattca actcagtaca tcttaataag gaattaatgc cccccaactt gccttacaag 240
tcatatatta aaaacaatgt tggcctggca cagtggctca tgcctgtaat ctcaacactt 300
tgggaagcca agggaggagg atcacttgag cccaggagtt ggagaccagc ctggataaca 360
aagggagacc cagtttctac aaaatattta aaaattagcc aggcatgatg gtgcatgcct 420
gtggtcctag ctattcaggg aactgaggt 449

<210> 453
<211> 548
<212> DNA
<213> Homo sapiens
<400> 453
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ttatttggag aaccgtccag catgcatcct ggcccacggc ctgagcaagc tgcagccctt 180
ctgaggccat gggcttcgtt ggctaagttg ggggtcttag ccttgcatgc gttgtgggca 240
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agccctggca ggccctcagc cagcttccca gcaagacaaa gggcaccctt gtggctttgg 420
gacctaagtg gttggggttc ccgaggtcac tgaggactgg tacctcggga acgcaagctg 480
tcagtggaac tgtcccacaa gaattcacag gtctcaaagc aggaacagtg ggtttgtgtc 540
tcacctga 548

<210> 454
<211> 569
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t
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<221> misc_feature

<222> (324)..(325)
<223> n is a, c, g, or t
<400> 454
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ttgacctgct cctggctgtt ggcattgctg cctacctcgg catggcctac gtggctgtcc 120
aggtgagcag tgcccaggct cagcacttca gcctcctcta caagaccgtc cagaggctgc 180
tcgtgaaggc caagacacag tgacacagcc acccccacag ccggagcccc cgccgctcca 240
cagtccctgg ggccgagcac gagttggnag gggaccctct tctcccgtcn tgccntcggg 300
ttgcccgcct cctccagaga cttnncaagg gcccatcacc actggcctct gggcacttgt 360
gctgagactc tgggacccag gcagctgcca ccttgtcacc atgagagaat ttggggagtg 420
cttgcatgct agccagcagg ctcctgtctg ggtgccacgg ggccagcatt ttggagggag 480
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ctcaggctgg tgtgggatgc agccggccg 569

<210> 455
<211> 516
<212> DNA
<213> Homo sapiens
<400> 455
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caaagctgga ccaaggctaa cctttctaag ctccctaact tgggccagaa accaaagctg 180
agcttttaac tttctccctc tatgacacaa atgaattgag ggtaggagga gggtgcacat 240
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ttcttagtgc tacttctttc agctgtccct gtagcgacag gtctaagatc tgactgcctc 360
ctcctttctc tggcctcttc ccccttccct cttctcttca gctaggctag ctggtttgga 420
gtagaatggc aactaattct aatttttatt tattaaatat ttggggtttt ggttttaaag 480
ccagaattac ggctagcacc tagcatttca gcagag 516

<210> 456
<211> 334
<212> DNA
<213> Homo sapiens
<400> 456
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agaaatgact gtgtcatggt gctcattcac tgcaaactcc cagttgcaag ctccttggct 120
cccccggagg gagcaagaat ctcatagttc agagacacag agggcctttt agccctaatg 180
acctttgga tgggactgca actcatgact atcctgatat tggaagaaag gactttgtta 240
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cctttagtct tcctccaagc tccagagcca ttgg 334

<210> 457
<211> 569
<212> DNA
<213> Homo sapiens
<400> 457
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gacaggccct gctccctctg ctctgggggt gtctgggagc cccagctcac accctcccaa 120
tgcttatatg ctgaagctca cagaatgggc ttcttgcctg acagcaagtc aaagaatgag 180
tttaatatca aagtgtaagc ttactttcca tccccaagcc agcctgcccc ctgccccatt 240

tcccatgagc acacttctgg ggaaggaaaa caggctcctg gccttcactc tcagcagagc 300
tttggagatg ccccaggcat gccctgagct ccttctgtgt acctgctccc acttctgagc 360
cacccgctgc ccctccgcac tgctggcaaa cccagttcct gcctcagcca ggtctccttc 420
cctggtttcc agtcacacag agcccagcag ctttctcttt cagtcccata agggcagcct 480
tgtgtccctg gccacacttc cacccgccag ggtcttcctc cccatctttc catccttcct 540
gctgagcttc cacagagctc gtttgcaaa 569

<210> 458
<211> 467
<212> DNA
<213> Homo sapiens
<400> 458
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ctcgctgctg gccgcaccca tcatgctgga cctagcgctg ctgaccgagc tgtgccagcg 120
cgtgagcttc tgcactgaca tggaccccga gccgcagacc ttccaccccg tgctgtccct 180
gctcagcttc ctcttcaagg cgccactagt gccgcccggc agcccggtgg tcaatgcgct 240
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gaaccacatg ctcctggaac acaaaatgga gcgcccaggg cccagcctca agcgagttgg 360
acccgtggct gccacctacc ctatgttgaa caagaaagga ccggtacccg ctgccaccaa 420
tggctgcacc ggtgatgcca atgggcatct gcaagaggag cccccaa 467

<210> 459
<211> 254
<212> DNA
<213> Homo sapiens
<400> 459
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cacacaaaag ccacctttaa ttattgaaat aacctgtatt ctttttggaa atcatttaag 120
tttggtattg aagtactata ttttttgtgc atcaatgtat ttttctattt acaagcctat 180
gtaaaagtga agtgtatctt cagtgaacca tgtgccaatt aagctgtaat aaaaaagtgg 240
tctagtctgt caaa 254

<210> 460
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t
<400> 460
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aaagccattt cccacccaag gacacagtgg atgtntttnc cctgactcca gcagggcaag 120
gaatgtagcc gagaggttgt gtgggctggg ctctggtgcc ctcttccctg gccaggacac 180
ctctcctcct gattcccttg gcaccttgtc tttctgtctg tttacctgtc tccctgcctg 240

cccatctgca tcttttgcag cccactctga cttccatctg ggggctgaga ccacccttgc 300
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<210> 461
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<212> DNA
<213> Homo sapiens

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<222> (504)..(504)
<223> n is a, c, g, or t
<400> 461
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tgctggaacc agttacgact gaagtcagtg tagacctgag ctgggaggga acctgttagt 120
ctccccacct cttccctgaa gagacaggca cccctccnnn nnnnnnnnnn nngagggagt 180
gnnnnttctg ccttgagtcc ccaggggaaa aaaaaaaaan gatatttatg aaataaatgg 240
taatttgtgt aaataangct ttaaggttcc cagaatatgc aaattggtat taatttattc 300
aaagnnnnnn nnnnnnnnnn acatatattt agagattaac tcatacattt aaagtttttt 360
tcattttacg tgagcatcta tattgtacag ggctgggggg ncccttggct gcgggagaag 420
gcccagagcc ctggaggagc caccaccccg ccggcccctc gacccctcgg ccctcggccc 480
cctccgcccg ggtttggctc gccnggcccg cgggctccac ctcaggtttt cacttttcgc 540
tccg 544

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<211> 238

<212> DNA
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<400> 462
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gtgcatggaa ctgtggttgc caaggtattt aaaagggctt tcctgcctcc ttctctttga 120
tttatttaat ttgatttggg ctataaaata tcatttttca ggtttattct tttagcaggt 180
gtagttaaac gacctccact gaactgggtt tgacctctgt tgtactgatg tgttgtga 238

<210> 463
<211> 388
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (254)..(275)
<223> n is a, c, g, or t
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<222> (298)..(298)
<223> n is a, c, g, or t
<400> 463
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catatggagg tggggtggac agggtgctgt gccccttcag agggagtgca gggcttgggg 120
tgggcctagt cctgctccta gggctgtgaa tgttttcagg gtgggggggag ggagatggag 180
cctcctgtgt gtttgggggg aagggtgggt ggggncctcc cacttggccc cggggttcag 240
tggtatttta tacnnnnnnn nnnnnnnnnn nnnnntggga aaggctgtgt gaggggganag 300
aagggagagg gtgggcctgc tgtggacaat ggcatactct cttccagccc taggaggagg 360
gctcctaaca gtgtaactta ttgtgtcc 388

<210> 464
<211> 345
<212> DNA
<213> Homo sapiens

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<222> (143)..(146)
<223> n is a, c, g, or t
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<222> (148)..(155)
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<222> (157)..(157)
<223> n is a, c, g, or t
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<222> (160)..(160)
<223> n is a, c, g, or t
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<222> (162)..(162)
<223> n is a, c, g, or t
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<222> (164)..(164)
<223> n is a, c, g, or t
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<222> (166)..(168)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (170)..(188)
<223> n is a, c, g, or t
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<222> (247)..(248)
<223> n is a, c, g, or t
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gagcccnnnn nnnnnnnnnn nnngcaggcc aggaagagga ggaagccctg gaggggctgg 120
aggtgatgga tgttttnctc cgnnnntnnn nnnnncnccn cntntnnngn nnnnnnnnnn 180
nnnnnnnngt gcagaagttc tccctgcgag actgcagccc acggctcagt gaagaactct 240

accaccnntg ccgcctcagc aacctggagg ggctaggggg ccgtgcccag ctggctatgg 300
ctctctttga gcaggagcag gccaatagca cttagcccgc ctggg 345

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<211> 244
<212> DNA
<213> Homo sapiens

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<222> (92)..(128)
<223> n is a, c, g, or t
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gtttgttttt attgtgtttt ctaaccataa gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnac acaaaaaaat ggtcaccgca ggccatacta ccaatgaaat ggtaggtaaa 180
caaatcttct ggtcaagaga aaaaaaaaag aaatagcact ctgcatgctt tgctctacaa 240
gatg 244

<210> 466
<211> 578
<212> DNA
<213> Homo sapiens

<220>
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<222> (138)..(138)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t
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<222> (145)..(145)
<223> n is a, c, g, or t
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<222> (148)..(148)
<223> n is a, c, g, or t
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<222> (168)..(170)
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<222> (377)..(377)
<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<222> (528)..(528)
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<222> (531)..(531)
<223> n is a, c, g, or t
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ctgggtagct gagcttatat gcccggcatc tgaatgagag ctctctttgt aactgtgtga 120
cttgagatct agtttgcnag ntccnggnaa acaatacatg tgttnttnnn tttgtgtttg 180

ctcagcaagc agatgtctga gatgtaagaa gcttttcttt tcctgtggca ttgattctga 240
cttagagctg aagtaaagat cactgaaaca tcacgtcaag ttgaagtcac tcataggtct 300
ttgtccttta ggcaggacag gagagtcatt aagaagcatt tcactgtagc attctatcac 360
aatatcatct ggaattnttt tctttgccca gaaagcctta acttgcctct agagaatccc 420
tggnnnnnnn nnnnnnnnnn nnnnnnnnnn ntncaactct tctgctgtgg aagtttgaag 480
cgacngncna ggcanancca gagaatttcc tcaagtngcc tntaggtncc ntgttatctt 540
atgcccccac ccctccctca acaatatgag tgatccag 578

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<211> 481
<212> DNA
<213> Homo sapiens
<400> 467
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ccctcgaggt tgaaccctcg gatacgatag aaaatgtaaa ggccaagatc caggataagg 120
aaggaattcc tcctgatcag cagagactga tctttgctgg caagcagcta gaagatggac 180
gtactttgtc tgactacaat attcaaaagg agtctactct tcatcttgtg ttgagacttc 240
gtggtggtgc taagaaaagg aagaagaagt cttacaccac tcccaagaag aataagcaca 300
agagaaagaa ggttaagctg gctgtcctga aatattataa ggtggatgag aatggcaaaa 360
ttagtcgcct tcgtcgagag tgcccttctg atgaatgtgg tgctggggtg tttatggcaa 420
gtcactttga cagacattat tgtggcaaat gttgtctgac ttactgtttc aacaaaccag 480
a 481

<210> 468
<211> 452
<212> DNA
<213> Homo sapiens
<400> 468
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tgcagtgcgt ctgaagtgct aatcagttgt aacaatagca caaatcgaac ttaggatttg 120
tttcttctct tctgtgtttc gatttttgat caattcttta attttggaag cctataatac 180
agttttctat tcttggagat aaaaattaaa tggatcactg atattttagt cattctgctt 240
ctcatctaaa tatttccata ttctgtatta ggagaaaatt accctcccag caccagcccc 300
cctctcaaac ccccaaccca aaaccaagca ttttggaatg agtctccttt agtttcagag 360
tgtggattgt ataacccata tactcttcga tgtacttgtt tggtttggta ttaatttgac 420
tgtgcatgac agcggcaatc ttttctttgg tc 452

<210> 469
<211> 515
<212> DNA
<213> Homo sapiens
<400> 469
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gtggggagcg gtggctgaga aaatgtaagg attctggaat acatattcca tggactttcc 120
ttccctctcc tgcttcctct tttcctgctc cctaaccttt cgccgaatgg ggcagacaaa 180
cactgacgtt tctgggtggc cagtgcggct gccaggttcc tgtactactg ccttgtactt 240
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gtaagtcagc cactgggacc cgaggatttc tgggaccccg cagttgggag gaggaagtag 360
tccagccttc caggtgggcg tgagaggcaa tgactcgtta cctgccgccc atcaccttgg 420
aggccttccc tggccttgag tagaaaagtc ggggatcggg gcaagagagg ctgagtacgg 480

atgggaaact attgtgcaca agtctttcca gagga 515

<210> 470
<211> 378
<212> DNA
<213> Homo sapiens
<400> 470
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ctcataaacc aatgtggcaa gactactgga cttctatcaa tggtactcta atcagtcctt 120
attatcccag cttgctgagg ggcagggaga gcgcctcttc ctctgggcag cgctatctag 180
ataggtaagt gggggcgggg aagggtgcat agctgtttta gctgagggac gtggtgccga 240
cgtccccaaa cctagctagg ctaagtcaag atcaacattc cagggttggt aatgttggat 300
gatgaaacat tcatttttac cttgtggatg ctagtgctgt agagttcact gttgtacaca 360
gtctgttttc tatttgtt 378

<210> 471
<211> 511
<212> DNA
<213> Homo sapiens
<400> 471
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tgaaggagtg gggccactgc tttggaatta aagaagagga catagatgaa aatctcttgt 120
tttgaacgaa gattttaaag aactcaactt tccagcatcc tcctctgttc taaccacttc 180
agaaatatat gcagctgtga tacttgtaga tttatattta gcaaaatgtt agcatgtatg 240
acaagacaat gagagtaatt gcttgacaac aacctatgca ccaggtattt aacattaact 300
ttggaaacaa aaatgtacaa ttaagtaaag tcaacatatg caaaatactg tacattgtga 360
acagaagttt aattcatagt aatttcactc tctgcattga cttatgagat aattaatgat 420
taaactatta atgataaaaa taatgcattt gtattgttca taatatcatg tgcacttcaa 480
gaaaatggaa tgctactctt ttgtggttta c 511

<210> 472
<211> 215
<212> DNA
<213> Homo sapiens
<400> 472
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cctgcgtcca tctgtgctgt gcgccccaca gtagacgtgc agacgtccct gagaggttct 120
tgaagatgtt tatttatatt gtccttttt actggaagac gtacgcatac tccatcgatg 180
ttgtatttgc agtggctgag gaattcttgt acgca 215

<210> 473
<211> 381
<212> DNA
<213> Homo sapiens
<400> 473
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gtaccacccc atatatttca tattactgtt tcacatgtac agctttctac ttctttgtaa 120
gaacaccaac caaccaaggt ttaagtgatt aataggcttg agcaccgggt ggcagatgtt 180
ctatgcagtg tggttcaagt ttctttgacc gcacttatat gcattgctaa tatggaattt 240
aagataccat acacagtctc tcatggacct atctctattg tagaattatg acttatgtct 300

tacttggcaa atttttctga atgtgacctt tttttgctga tttgctgggt ttgggattaa 360
ctagcattat tttgccacct t 381

<210> 474
<211> 484
<212> DNA
<213> Homo sapiens
<400> 474
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ttttattttt aattggttta gttcttaact gctggccaac tcttacatcc ccagcaaatc 120
atcgggccat tggatttttt ccattatgtt catcaccctt atatcatgta cctcagatct 180
ctctctctct cctctctctc agttatatag tttcttgtct tggacttttt ttttcttttc 240
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gataagtagc atgatcagtg tatgcgaaaa ggtttttagg aagtatggca aaaatgttgt 420
attggctatg atggtgacat gatatagtca gctgcctttt aagaggtctt atctgttcag 480
tgtt 484

<210> 475
<211> 563
<212> DNA
<213> Homo sapiens
<400> 475
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cctgtagacc ttgacattca gaaagatgtg agctgcttac tgatcatata tgcatacgtt 120
tctttacagc agaggaaacc attgtccaca aaactgatgt tcttttgggg ttttatgtac 180
agacttgtcc aatcatgtgt gtggttcctg cgagttgctg atgactccgc attgaagctc 240
tctgagttct ttgattttaa gttgggttta tggaattttt tcaaatgttg gaaggcgtgt 300
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ttttgaaaag ctgtgtcgtg ttccctgtga aactgagcag gtgtgtgttg gcgcgctaag 420
tgccacatgc ttgtgtgtag aggaggaggt ggccctgccg gctccgcgct gctgtgcctg 480
tgatccctac ctgctccccg ctcctgttgc cagcagcact cactgcactc ctttgtcata 540
tactctgcat cactgtcata ctc 563

<210> 476
<211> 295
<212> DNA
<213> Homo sapiens
<400> 476
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tttcccgttc tgaaattgac atgaatgata tcaaagcatt ctatcagaag atgtatggta 180
tctccctttg ccaagccatc ctggatgaaa ccaaaggaga ttatgagaaa atcctggtgg 240
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<210> 477
<211> 360
<212> DNA
<213> Homo sapiens
<400> 477

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gcacattcgg gaccaatata tagtgggtac atcaagtcca tctgacaaaa tggggcagaa 180
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<210> 478
<211> 461
<212> DNA
<213> Homo sapiens
<400> 478
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tttccctgcc acatccagct tgttgtccca atgaaatact gagatgctgg gctgtctctc 180
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agtctgtaaa accagcatac agtttggctt ttttcacatt gatcattttt atatgaaata 300
aaaagatcct gcatttatgg tgtagttctg agtcctgaga cttttctgcg tgatggctat 360
gccttgcaca caggtgttgg tgatggggct gttgagatgc ctgttgaagg tacatcgttt 420
gcaaatgtga gtttcctctc ctgtccgtgt ttgtttagta c 461

<210> 479
<211> 541
<212> DNA
<213> Homo sapiens
<400> 479
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tcagccaggg acaaaatccc ctcccaaacc actctccaca gctttttaaa aatacttcta 180
ctcttaacaa ttacctaagg cttcctcaac tgccccaaat ctcttaatag cttctagtgc 240
tgctacaatc taagtcaggt caccagaggg aagagaacat ggcattaaaa gaatcacatc 300
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attcctctta aagaggaaat gtcaggaatc aagccactga atccttaaag agaaaagttg 420
aatatgagtc attgtgtctg aaaactgcaa agtgaactta actgagatcc agcaaacagg 480
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t 541

<210> 480
<211> 488
<212> DNA
<213> Homo sapiens
<400> 480
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tcaatttctg tgttgccaag ctccaagccc catcttctaa atggcaaagg aaggtggatg 120
gccccagcac agcttgacct gaggctgtgg tcacagcgga ggtgtggagc cgaggcctac 180
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<211> 547
<212> DNA
<213> Homo sapiens

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gttggtttca aagtncgaca ggcttgtctg tttactagct gcgtggcctt ggacgggtgg 180
ctgacatctg taaagaatcc tcctgtgatg aaactgagga atcgggtggc cgggcaagct 240
gggaagagca aagccagnag ctgcgctgcc tcaataccca caaaagacca ttcccagtat 300
acataagcac aggatgtttt tctcaagagg gatgtattta tcacttggac atctgtttat 360
aatataaaca gacatgtgac tgggaacatc ttgctgccaa aagaatccta ggcagtggct 420
cattgtatgt gaggttgaac cacgtgaaat tgccaatatt aggctggctt ttatctacaa 480
agaaggagtt tcatggggtt cagcctaaca gttatggaaa ctacagtcct tataaaccat 540
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<210> 482
<211> 451
<212> DNA
<213> Homo sapiens
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aaaactgtca cagtcaaagt gcctcagaag aactcataag aatcatgcaa gcttcctccc 180
tcagccattg atggaaagtt cagcaagatc agcaacaaaa ccaagaaaaa tgatccttgc 240
gtgctgaata tctgaaaaga gaaatttttc ctacaaaatc tcttgggtca agaaagttct 300
agaatttgaa ttgataaaca tggtgggttg gctgagggta agagtatatg aggaaccttt 360
taaacgacaa caatactgct agctttcagg atgattttta aaaaatagat tcaaatgtgt 420
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<210> 483
<211> 364
<212> DNA
<213> Homo sapiens
<400> 483

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gctgtcttaa aagatataag gggaaagata atattgtctg tctctatatt gcttagtaag 240
tatttccata gtcaatgatg gtttaatagg taaaccaaac cctataaacc tgacctcctt 300
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<210> 484
<211> 468
<212> DNA
<213> Homo sapiens
<400> 484
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aattttaatg ctatttcccc aggggaaaat gaaggttagg atttaacagt catttaaaaa 180
aaaaatttgt tttgacggat gattggatta ttcatttaaa atgattagaa ggcaagtttc 240
tagctagaaa tatgatttta tttgacaaaa tttgttgaaa ttatgtatgt ttacatatca 300
cctcatggcc tattatatta aaatatggct ataaatatat aaaaagaaaa gataaagatg 360
atctactcag aaatttttat ttttctaagg ttctcatagg aaaagtacat ttaatacagc 420
agtgtcatca gaagataact tgagcaccgt catggcttaa tgtttatt 468

<210> 485
<211> 357
<212> DNA
<213> Homo sapiens
<400> 485
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gtgattccca ggacttttcc tcaagaggaa atctggattt ccacctaccg cttacctgaa 180
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tatcaaaagt aaacatgtaa tgacaataca tactaacatt cttgtaggag tggttagaga 300
agctgatgcc tcatttctac attctgtcat tagctattat catctaacgt ttcagtg 357

<210> 486
<211> 436
<212> DNA
<213> Homo sapiens
<400> 486
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tacttaatac acagtaattc agaacttgta ttctattatg agtttagcag tcttttggag 120
tgaccagcaa ctttgatgtt tgcactaaga ttttatttgg aatgcaagag aggttgaaag 180
aggattcagt agtacacata caactaattt atttgaacta tatgttgaag acatctacca 240
gtttctccaa atgccttttt taaaactcat cacagaagat tggtgaaaat gctgagtatg 300
acacttttct tcttgcatgc atgtcagcta cataaacagt tttgtacaat gaaaattact 360
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gacctagtcc atcaga 436

<210> 487
<211> 470

<212> DNA
<213> Homo sapiens

<220>
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<222> (63)..(63)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t
<400> 487
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tttaatactg ttcctaacat ttcattttac tagcgagaaa tctttgattt cattttattc 180
tttgtaattc tagacactag attgtagttt agccataact gatgtttttt aaaaagggat 240
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gttttacagg tacaagtttt ctagctcaga caaactatga aaaactgtag actattctca 360
aggtattaac tcgcagaccc tctggggtga ggggctgttt tctaagttac aggcagagtg 420
ggactgagat ggtacagtgt gcacagacag gtactgagct gacagactgg 470

<210> 488
<211> 446
<212> DNA
<213> Homo sapiens
<400> 488
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gtgtgatttt gtgtctgaga ccacacccca gtagcaggtt acgccatgtc accgagcccc 120
attgattccc agagggtctt agtcctggaa agtcaggcca acaagcaacg tttgcatcat 180
gttatctctt aagtattaaa agttttattt tctaaagttt aaatcatgtt tttcaaaata 240
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aacaattctt atttatgccc acaacc 446

<210> 489
<211> 549
<212> DNA
<213> Homo sapiens
<400> 489
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cggcctaggt ggtgggctca gtgtgggggg ctctggcttc agtgcaagca gtggccgagg 120
gctgggggtg ggctttggca gtggcggggg tagcagctcc agcgtcaaat ttgtctccac 180
cacctcctcc tcccggaaga gcttcaagag ctaagaacct gctgcaagtc actgccttcc 240
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caggagagcc ccattcccag cccctggtct cccgtgccgc agttctatat tctgcttcaa 420
atcagccttc aggtttccca cagcatggcc cctgctgaca cgagaaccca aagttttccc 480
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tacctccag 549

<210> 490
<211> 474
<212> DNA
<213> Homo sapiens
<400> 490
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ttcaagtaaa atgtctggtt gtgccagaca tttcacaagt gtgaaaggag ataggagaag 120
ctcaacttga gggcgtgtag taagttgtag aaggctcgag gggacgtgga cttatttgcc 180
ttggtttgca atacctgcaa ataatgagtt tgaaaagaaa caatgaaatg tgttaaaaat 240
ttgaccatat tagataaatt ttggtggatt tagtcataag atggaaaaag actggtgaat 300
cttttattac aaaatgtttc tgttaaaatg ggatcatcat ctttgaaagg ggggaggagg 360
agtaaaagcc cgattataat ggtgatcaat tcaagtcagt gttgactatt ctgtgaaata 420
tatttggcca gtggaaatga taatcagaaa agactgtaaa tagatccatc caaa 474

<210> 491
<211> 378
<212> DNA
<213> Homo sapiens
<400> 491
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ttaattctgg attcatcatg gctttctaat accaattgta atatttacaa tattcaccaa 120
aacttagaat tttgcaaatg caggaattct gccagtgttt ctttgctaag ccttgcatgc 180
aaaatttgaa attttaacat tggcacccaa aacctacatg gaatgtatgt ctggagtatt 240
tcaaacttta cattgaaaca taatttcctt ggaaaacaaa ccataagcct gaggaggttt 300
ttatcaactg gaatgcttta tattagtttg tttttcactg tacattcctc attttacatt 360
catttaacct gccgatta 378

<210> 492
<211> 542
<212> DNA
<213> Homo sapiens
<400> 492
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gttgtggtga tagcagttgt tgctggaatt gttgtgctgg ttatttccag aaagaagaga 120
atggcaaagt atgagaaggc tgagataaag gagatgggtg agatgcatag ggaactcaat 180
gcataactat ataatttgaa gattatagaa gaagggaaat agcaaatgga cacaaattac 240
aaatgtgtgt gcgtgggacg aagacatctt tgaaggtcat gagtttgtta gtttaacatc 300
atatatttgt aatagtgaaa cctgtactca aaatataagc agcttgaaac tggctttacc 360
aatcttgaaa tttgaccaca agtgtcttat atatgcagat ctaatgtaaa atccagaact 420
tggactccat cgttaaaatt atttatgtgt aacattcaaa tgtgtgcatt aaatatgctt 480
ccacagtaaa atctgaaaaa ctgatttgtg attgaaagct gcctttctat ttacttgagt 540
ct 542

<210> 493
<211> 456
<212> DNA
<213> Homo sapiens
<400> 493
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ttgttacctt aaagcactat tttatttata gatatatcta gtgcatctac atctctatac 180
tgtacactca cccataattc aaacaattac accatggtat aaagtgggca tttaatatgt 240
aaagattcaa agtttgtctt tattactata tgtaaattag acattaatcc actaaactgg 300
tcttcttcaa gagagctaag tatacactat ctggtgaaac ttggattctt tcctataaaa 360
gtgggaccaa gcaatgatga tcttctgtgg tgcttaagga aacttactag agctccacta 420
acagtctcat aaggaggcag ccatcataac cattga 456

<210> 494
<211> 513
<212> DNA
<213> Homo sapiens
<400> 494
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taaaaaacag taagcaaaat tttccagaat tcccaaaatg aaccagatac cccctagaaa 120
attatactat tgagaaatct atggggagga tatgagaaaa taaattcctt ctaaaccaca 180
ttggaactga cctgaagaag caaactcgga aaatataata acatccctga attcaggcat 240
tcacaagatg cagaacaaaa tggataaaag gtatttcact ggagaagttt taatttctaa 300
gtaaaattta aatcctaaca cttcactaat ttataactaa aatttctcat cttcgtactt 360
gatgctcaca gaggaagaaa atgatgatgg tttttattcc tggcatccag agtgacagtg 420
aacttaagca aattaccctc ctacccaatt ctatggaata ttttatacgt ctccttgttt 480
aaaatctgac tgctttactt tgatgtatca tat 513

<210> 495
<211> 492
<212> DNA
<213> Homo sapiens
<400> 495
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cccccacagc actgcagtgg gcaaccccga gtatctcaac actgtccagc ccacctgtgt 120
caacagcaca ttcgacagcc ctgcccactg ggcccagaaa ggcagccacc aaattagcct 180
ggacaaccct gactaccagc aggacttctt tcccaaggaa gccaagccaa atggcatctt 240
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tattggagca tgaccacgga ggatagtatg agccctaaaa atccagactc tttcgatacc 360
caggaccaag ccacagcagg tcctccatcc caacagccat gcccgcatta gctcttagac 420
ccacagactg gttttgcaac gtttacaccg actagccagg aagtacttcc acctcgggca 480
cattttggga ag 492

<210> 496
<211> 536
<212> DNA
<213> Homo sapiens
<400> 496
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cagggcattt tacaggtgcg aatgacagta gcattatgag tagtgtgaat tcaggtagta 180
aatatgaaac tagggtttga aattgataat gctttcacaa catttgcaga tgttttagaa 240
ggaaaaaagt tccttcctaa aataatttct ctacaattgg aagattggaa gattcagcta 300
gttaggagcc catttttcc taatctgtgt gtgccctgta acctgactgg ttaacagcag 360
tcctttgtaa acagtgtttt aaactctcct agtcaatatc caccccatcc aatttatcaa 420

ggaagaaatg gttcagaaaa tattttcagc ctacagttat gttcagtcac acacacatac 480
aaaatgttcc ttttgctttt aaagtaattt ttgactccca gatcagtcag agcccc 536

<210> 497
<211> 555
<212> DNA
<213> Homo sapiens
<400> 497
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ctgaagtaag aggcctgtgg aatgcagcat tacctgctgg acagagcagg gcaggcagtt 120
ctatgccttg gagctcctga ctgcagggac tctgtcccca cactcagaaa gactcagctc 180
actcaatgag agaatgtgat ttactttata gaacgtataa tcaactttgt tgaataattt 240
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ataacgagcc tagtttagga aaaagctgct taaaactgtg gctctaagag agtaatcata 360
aaatacctta gataaaattg cactatggaa ttttcattga gtatgtttaa attattggct 420
tgtctactaa tacatctgct tcaaaatgaa catatttcat aaaattggca tcaattttaa 480
tgacgctcct ggtatggaac ctcagatata ccctattgga gacaatcctt tgatcataaa 540
ttctccccaa ctata 555

<210> 498
<211> 507
<212> DNA
<213> Homo sapiens
<400> 498
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ttcaaggact gtttcagtgt gagtcagaat gtgaaaaagg aataaaaaat actgttgggc 180
tcaaactaaa ttcaaagaag tactttattg caactctttt aagtgccttg gatgagaagt 240
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ctaagttttt ataccagctt aatagctgta gttttccctg cactgtgtca tcttttcaag 360
gcatttgtct ttgtaatatt ttccataaat ttggactgtc tatatcataa ctatacttga 420
tagtttggct ataagtgctc aatagcttga agcccaagaa gttggtatcg aaatttgttg 480
tttgtttaaa cccaagtgct gcacaaa 507

<210> 499
<211> 213
<212> DNA
<213> Homo sapiens
<400> 499
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tcttcaaatt cttcacatgt ttaactttaa ggatttgaac catgaagtca taggttacag 180
acctcagttt tatgccccat tggattactt ttt 213

<210> 500
<211> 173
<212> DNA
<213> Homo sapiens
<400> 500
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agtaaactac tgttaggaac agcagtgttc tcacagtgtg gggcagccgt ccttctaatg 120
aagacaatga tattgacact gtccctcttt ggcagttgca ttagtaactt tga 173

<210> 501
<211> 531
<212> DNA
<213> Homo sapiens
<400> 501
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tatctgttct tttgacttaa tctcatttgg tttgattttc cctctactaa ggctttccta 120
ccttcttcag gctgcctaag acatgtaagc gaaacacttc aataattgtc catgaggaga 180
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atagacattg aggacctcat ccaaacaatt taaaaatgag tgtgaagggg gaacaagtca 480
aaatattttt aaaagatctt caaaaataat gcctctgtct agcatgccaa c 531

<210> 502
<211> 511
<212> DNA
<213> Homo sapiens
<400> 502
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agactgttga gttatgataa caccagtggg aattgctgga ggaaccagag gcacttccac 480
cttggctggg aagactatgg tgctgccttg c 511

<210> 503
<211> 324
<212> DNA
<213> Homo sapiens
<400> 503
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ccacttgtat catggcctac ccgaggagaa gaggagtttg ttaactgggc ctatgtagta 180
gcctcattta ccatcgtttg tattactgac cacatatgct tgtcactggg aaagaagcct 240
gtttcagctg cctgaacgca gtttggatgt ctttgaggac agacattgcc cggaaactca 300
gtctatttat tcttcagctt gccc 324

<210> 504
<211> 122
<212> DNA
<213> Homo sapiens
<400> 504

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tt 122

<210> 505
<211> 444
<212> DNA
<213> Homo sapiens
<400> 505
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aatcaataat gttgtgaagt aaaacaatca gtactgagaa acctggtttg ccacagaaca 180
aagacaagaa gtatacacta acttgtataa atttatctag gaaaaaaatc cttcagaatt 240
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taaagtttgc acagtcttac ttctgtagaa cactggccat aggaaatgct gttttttgt 420
actggacttt accttgatat atgt 444

<210> 506
<211> 212
<212> DNA
<213> Homo sapiens
<400> 506
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agtctacaaa ctttgccctg gccgagtgag gtgtagcaga aaaaggctgt gctgccctga 120
agaatggcgc caccagctct gccgtctctg gatcggaatt tacctgattt cttcagggct 180
gctgggggca actggccatt tgccaatttt cc 212

<210> 507
<211> 433
<212> DNA
<213> Homo sapiens
<400> 507
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ctgtcctgga cgccaatgac ctagaagata aaaacagtcc tttctactat gactggcaca 120
gcctccaggt tggcgggctc atctgcgctg gggttctgtg cgccatgggc atcatcatcg 180
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gggtggagga ccgttctctg tccccaggtc ctgtctctgc acagaaactt gaactccagg 360
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gcaagagggt ctc 433

<210> 508
<211> 442
<212> DNA
<213> Homo sapiens
<400> 508
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tttttgggac catcactgag agtcaggagt tttactgcct gtagcaatgg ccagagcctc 240
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<210> 509
<211> 536
<212> DNA
<213> Homo sapiens
<400> 509
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tccaaaataa atttgttaat gatacattac aaaaatagat tgacatcagc ctgattagta 180
taaattttgt tggtaattaa tccattcctg gcataaaaag tctttatcaa aaaaaattgt 240
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ggacaaggtg taaatttttt tattattatt ttaaagatat gatttatcct gagtgctgta 360
tctattactc ttttactttg gttcctgttg tgctcttgta aaagaaaaat ataatttcct 420
gaagaataaa atagatatat ggcacttgga gtgcatcata gttctacagt ttgtttttgt 480
tttcttcaaa aaagctgtaa gagaattatc tgcaacttga ttcttggcag gaaata 536

<210> 510
<211> 325
<212> DNA
<213> Homo sapiens
<400> 510
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tgtttcctgc agcattaggt atgacttgtt ctgagtactg cttccggtgc taaaatgaac 180
aaagaatttg tacttaatgg catggactct ggagaatcta tgcgaatcaa cctttctacc 240
ttaatatctc cccaaaaatg tatagtgcct tgtttttatg tacagtttat atacagaaaa 300
gtttgctctg catttttgat gatgg 325

<210> 511
<211> 555
<212> DNA
<213> Homo sapiens
<400> 511
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ggaactgatc ctgaccatga cggcggatga cgttgtgtgc accagggtct acgtccgaga 180
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ctcccctaca ccaacaaaga ggaatggctg caagagccca gatcacccat tccgggttca 420
ctccccgcct ccccaagtca gcagtcctag ccccaaacca gcccagagca gggtctctct 480
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tgtagcctat acagt 555

<210> 512

<211> 513
<212> DNA
<213> Homo sapiens
<400> 512
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gggcctcagt ctgctatctc ctttggtggc taccaccact cactcccttg atatcttcta 180
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gaggtaaact gggagagcaa gtgttggatc tgggctggtc cctttcccat aaaattaggt 360
ccctggttgt atgttcccat agcaccccat acttcctctc tcagaataat catttccctt 420
gtaatgctca gcatccgcat cctgcttgac tgcaaacttg ctgaaggtag ggactgtttg 480
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<210> 513
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (117)..(118)
<223> n is a, c, g, or t
<400> 513
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aagaaagaaa tggcttttct tacccagatt gtgtacatag agcaatgttg gtttttata 180
aagtctaagc aagatgtttt gtataaaatc tgaattttgc aatgtattta gctacagctt 240
gtttaacggc agtgtcattc ccctttgcac tgtaatgagg aaaaaatggt ataaaaggtt 300
gccaaattgc tgcatatttg tgccgtaatt atgtaccatg aatatttatt taaaatttcg 360
ttgtccaatt tgtaagtaac acagtattat gcctgagtta taaatatttt tttctttctt 420
tgttttattt taatagcctg tcataggttt taaatctgct ttagtttcac attgcagtta 480
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<210> 514
<211> 563
<212> DNA
<213> Homo sapiens
<400> 514
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ttatccaaga acgtggctgg gagttcatgt ggaatgagcg tttgggatac atcttgacct 180
gtccatctaa cctgggcact ggacttcggg caggagtgca catcaaactg cccctgctaa 240
gcaaagatag ccgcttccca aagatcctgg agaacctaag actccaaaaa cgtggtactg 300
gaggagtgga cactgctgct acaggcggtg tctttgatat ttctaatttg gaccgactag 360
gcaaatcaga ggtggagctg gtgcaactgg tcatcgatgg agtaaactat ttgattgatt 420

gtgaacggcg tctggagaga ggccaggata tccgcatccc cacacctgtc atccacacca 480
agcattaact ccccatcgcc agctgatgac tcaagattcc caggagtttt gctcattcta 540
atgatggccc attctacttg ctc 563

<210> 515
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t
<400> 515
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tgaaactgaa attacntgag tttcattttt tctttgaatt tatagggttt agatttctga 120
aagcagcatg aatatatcac ctaacatcct gacaataaat tccatccgtt gttttttttg 180
tttgtttgtt ttttcttttc ctttaagtaa gctctttatt catcttatgg tgcagcaatt 240
ttaaaatttg aaatatttta aattgttttt gaacttttttg tgtaaaatat atcagatctc 300
aacattgttg gtttcttttg tttttcattt tgtacaactt tcttgaattt agaaattaca 360
tctttgcagt tctgttaggt gctctgtaat taacctgact tatatgtgaa caattttcat 420
gagacagtca tttttaacta atgcagtgat tctttctcac tactatctgt attgtggaat 480
gcacaaaatt gtgtaggtgc tgaatgctgt aaggagttta ggttgtatga attctacaac 540
cctataata 549

<210> 516
<211> 443
<212> DNA
<213> Homo sapiens
<400> 516
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ccttgggcca gaagtaccag actagatgga cctgcctgca taggagtttg gaggaagttg 120
gagttttgtt tcctctgttc aaagctgcct gtcctaccc catggtgcta ggaagaggag 180
tggggtggtg tcagaccctg gaggccccaa ccctgtcctc ccgagctcct cttccatgct 240
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tttgtttatt taatgctgtg gcatgggtga agaggagggg aagaggcctg tttggcctct 360
ctgtcctctc ttcctcttcc cccaagattg agctctctgc ccttgatcag ccccaccctg 420
gcctagacca gcagacagag cca 443

<210> 517
<211> 516
<212> DNA
<213> Homo sapiens
<400> 517
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cctagctgta caaacttgca ctttcatttg ctaatataaa ttcagtttta ttttaccatt 180
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tttaaaagat aaatttatac cactgtaatg tgcagctttt attaaaagag aaattggttg 300
aactgctagg ttgaatgaga gacttcatct attggactat ttttttaat ccaggcatat 360

ggtctttagt aatggcttgt aatttgtgaa aacattaatt tgggggtttt ccctgttttc 420
agttgtccat gtacacatag tcattatatt agaaaagaaa gctgttcaac aaacttgttt 480
aatttgttta aatcaacata gcatgaaaca ccaaat 516

<210> 518
<211> 516
<212> DNA
<213> Homo sapiens
<400> 518
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ccatatttct ctacatcttc tcttggagtg agggaggcta cctggagggg atcagcccac 180
tgacagacct taatcttaat tactgctgtg gctagagagt ttgaggattg ctttttaaaa 240
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agaataaaat cttaaagcac tcataatatg gcatccttca atttctgtat aaaagcagat 360
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<210> 519
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t
<400> 519
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tgccctgatt gtatgaaatt tgacattttg gcacttttnt ttttttttn ggccaatcag 180
attttctatg ttctaaggac atggctgctg tagaatagca cagacgtgga tgataaatta 240
tccccagaag cagcatgaca gaatgcctcg gggagcactt ggaagggaaa ttgcagttct 300
gttgaaatag aggaaaatcc cttggtaaag acacagcctg ttaggctcgt gtgggcctcc 360
agtatgttca ccaggggaa 379

<210> 520
<211> 466
<212> DNA
<213> Homo sapiens
<400> 520
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atatgatgct tgagatggtt tttgcaaaag cagaaatcgc tgcaaggtaa tcacaataga 120
taaaagtggt attttaaacc tttgaaataa atggatgtaa ctgtaccttg gtacagcttt 180
tcacttgttt agtttttaaa cgttagtata atctgaataa ataaaatgtt gccaaattca 240
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gttgctagtt tgtactgaga gttgacctct ccctgtgcag ttttttgttc taaacttgta 420
taaataacaa ttgtgtaatg tgtctccctc ctacattgta acaatt 466

<210> 521
<211> 547
<212> DNA
<213> Homo sapiens
<400> 521
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tcctgggcac aggttataca gaccccagcc ccattcccat ctactgaaac agggtctcca 120
caagaggggc cagggaatat gggtttttaa caagcgtctt acaaaacact tctctatcat 180
gcagccggag agctggctgg gagccctttt gttttagaac acacatcctt cagcagctga 240
gaaatgaaca cgaatccatc ccaaccgaga tgccattaac attcatctaa aaatgttagg 300
ctctaaatgg acgaaaaatt ctctcgccat cttaataaca aaataaacta caaattcctg 360
acccaaggac actgtgttat aagaggcgtg ggctcccctg gtggctgacc aggtcagctg 420
ccctggcctt gcacccctct gcatgcagca cagaagggtg tgaccatgcc ctcagcacca 480
ctcttgtccc cactgaacgg caactgagac tgggtacctg gagattctga agtgcctttg 540
ctgtggt 547

<210> 522
<211> 502
<212> DNA
<213> Homo sapiens
<400> 522
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cagtcagctg tggggaacac agctacaacc ctaccctggc agggacctga gagcatctca 120
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gcttttgtaa caatgatgac cccggcctgt ctcatcttct gaagaggaaa agtcaaagtg 480
ttgctgtggc tccatatttc aa 502

<210> 523
<211> 387
<212> DNA
<213> Homo sapiens
<400> 523
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acccgggaga tggcgatgct catagctcag gccttacaga cgattaacta tgggcgggat 120
gatgagaagt gactgcggct gaggcaaagc tgctcccaag gcctccctgg gctgctgtgg 180
gctcctgggg aggtggccct cgtggcccac gctccatgcc agtggctcac gctctgctcc 240
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tctctcacca ggatttggtg tttagctgtt tctctcttta atctcacgta gccttttca 360
ggttagtacg tgttcttctg tcagggc 387

<210> 524
<211> 320
<212> DNA
<213> Homo sapiens
<400> 524

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ttccaaaaat ttacaggaat gtttagtgta attggatttc gctatcagtt cccatcctta 180
agttttgata ttcaatatct gatagataca ctgcatcttt ggtcatctaa gatttgttta 240
caaatgtgca aattatttag agcatagact ttataagcat taaaaaaaac taatggaggt 300
aaaacctaaa tgcgatgtga 320

<210> 525
<211> 543
<212> DNA
<213> Homo sapiens
<400> 525
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tgatcagtca tccaccagga acgaagattt cctgaagaag acctggtccc tctggaggtt 480
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gag 543

<210> 526
<211> 541
<212> DNA
<213> Homo sapiens
<400> 526
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aataaaaatc cacctacctt ttatgtggaa aattatgtgc tattgagtaa cttttagctc 180
ttttttaaaa aatgggtgaa atttaagtgt ctttttttatg agaatgacac atgaagagat 240
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<210> 527
<211> 543
<212> DNA
<213> Homo sapiens
<400> 527
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tgcaggcttt tggagactat tcttacaggc agtatgtcag tcatcaaaga aaatgctgtc 180
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ataagacttt atgctagaaa attctttgag ctttgaatca ccagggcaaa aatgactttc 480
aactaacctt gtgaatcttt tgcagtgtac tgtgtgcaat accaagggca tagctccctg 540
taa 543

<210> 528
<211> 520
<212> DNA
<213> Homo sapiens
<400> 528
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caaccacagc agccaagccc actccttgca gcatgggtac tggtggcaca ccagacagtg 120
acactgcccc acaaaggcct gggcccgtgg gggctgctgc ctggcatgac atctctccag 180
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gagacagatc tgggctccaa gccaggaaag gtgaacagaa accacaagtg tccagccctc 300
ggtgctggag tggacgttaa ttgtcagcca ccagactgtc ccggcaccta cagagaatgt 360
ttcacagttc tggcatttaa atcctttgat agtggattgt gctgctgtta gccttagttt 420
cagtgcttta caagtctcgc ttattatctc attggtattt aggtatacaa aacagttgat 480
tattcaccac gccaatatct gggtctctgt atctcatgta 520

<210> 529
<211> 358
<212> DNA
<213> Homo sapiens
<400> 529
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gaatcttcaa aaacttgcac aaacagaaaa gttggaaaag gataatacag actgcactaa 120
atgttttcct ctgttttaca aactgcttgg cagccccagg tgaagcatca aggattgttt 180
ggtattaaaa tttgtgttca cgggatgcac caaagtgtgt accccgtaag catgaaacca 240
gtgtttttg ttttttttt agttcttatt ccggagcctc aaacaagcat tataccttct 300
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<210> 530
<211> 451
<212> DNA
<213> Homo sapiens
<400> 530
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aaagaatcaa gaacaacttt tgacattagc aagcatttta agggaagatg gaaaagtttt 240
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aaaggaagtt ctgctgtcag aggcaaaaca tctgtttatc atagacatca acatgaccta 420
taagtaaagt gcgtgtctag tgtcttctat t 451

<210> 531
<211> 440
<212> DNA
<213> Homo sapiens

<400> 531
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cccttcccaa ctagactgta agtgccttgc ggtcagggac tgaatcttgc ccgtttatgt 420
atgctccatg tctagcccat 440

<210> 532
<211> 225
<212> DNA
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tgtatggtta ctaaaaagta ccagcatgtt aactttatta caatttgtat tactttctct 180
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<210> 533
<211> 436
<212> DNA
<213> Homo sapiens
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gtgacccagg gtgcattaac ttaaaagatt cactaaagca gcacatagca ctgggaactc 240
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agctgtaaat acatgtgtgg atgtgtaaat ggagcttgta catattggaa aggtcattgt 360
ggctatctgc atttataaat gtgtggtgct aactgtatgt gtctttatca gtgatggtct 420
cacagagcca actcac 436

<210> 534
<211> 127
<212> DNA
<213> Homo sapiens
<400> 534
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acagagg 127

<210> 535
<211> 517
<212> DNA
<213> Homo sapiens
<400> 535
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gagggcatgt acccacacta aataccaact gctcttcctc agctgtagtc cccaacatca 180
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tgcctttaag ggagttttag aaccaacatg caagacattg aaagaaatct tgcaagagcc 420
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<210> 536
<211> 512
<212> DNA
<213> Homo sapiens

<220>
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<222> (30)..(30)
<223> n is a, c, g, or t
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<222> (473)..(473)
<223> n is a, c, g, or t
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<211> 245
<212> DNA
<213> Homo sapiens
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<210> 538
<211> 435
<212> DNA

<213> Homo sapiens
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gctggccttc tgcttctgag ttgcacatta atcagattag cctgattctc ttcagtgaat 180
tttgataatg gcttccagac tctttgcgtt ggagacgcct gttaggatct tcaagtccca 240
tcatagaaaa ttgaaacaca gagttgttct gctgatagtt ttggggatac gtccatcttt 300
ttaagggatt gctttcatct aattctggca ggacctcacc aaaagatcca gcctcatacc 360
tacatcagac aaaatatcgc cgttgttcct tctgtactaa agtattgtgt tttgctttgg 420
aaacacccac tcact 435

<210> 539
<211> 498
<212> DNA
<213> Homo sapiens
<400> 539
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ctgcccactc tcaggtactg agactttgtg ggcctcagac accaggaaga aagttgggat 180
acagtcattt gagttaaaaa gggaatgacc cctcagaaac ccacattagc agtgttactc 240
ttggaactgc ctttacttt aacgctctct gttctgaaaa agaggtgttt ggttacgtgt 300
gagccaacat cacgttttgt tagctgtgat ttacctttgt ccgtttaaaa gacttcacgg 360
agccattctg tatacaaggt gtgctctttc caatgtagaa ggggttatgg aaaagggtgc 420
gatcctttgc tgtaaactgg agagaccagt cccaaacaga ggggaatttt aagcccttct 480
catcacccaa ttggatgt 498

<210> 540
<211> 474
<212> DNA
<213> Homo sapiens
<400> 540
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gggtgcttgg aggaaggaaa cccagctctg gtccatagag agcaaaacgc tgtgctgccc 120
tgcccaccct ggcctctgca ctcccctgct gggtgtggcg cagcatattc aggaagctca 180
gggccctggc tcaggtgggg tcactctggc agctcagaga gggtgggagt gggtccaatg 240
cactttgttc tggctcttcc aggctgggag agcctttcag gggtgggaca ccctgtgatg 300
gggccctgcc tcctttgtga ggaagccgct ggggccagtt ggtccccctt ccatggactt 360
tgttagtttc tccaagcagg acatggacaa ggatgatcta ggaagacttt ggaaagagta 420
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<210> 541
<211> 437
<212> DNA
<213> Homo sapiens
<400> 541
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cttggaggtg ctccagccaa tttgacgaca ctgaggatcc ctgtgtggaa atcattcttt 180
ggctgtctga ggaatattca tgtcaatcac atccctgtcc ctgtcactga agccttggaa 240
gtccaggggc ctgtcagtct gaatggttgt cctgaccagt aacccaagcc tatttcacag 300

caaggaaatt caccttcaaa agcactgatt acccaatgca cctccctccc cagctcgaga 360
tcattcttca attaggacac aaaccagaca ggtttaatag cgaatctaat tttgaattct 420
gaccatggat acccatc 437

<210> 542
<211> 428
<212> DNA
<213> Homo sapiens
<400> 542
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ttgatgatgg accacttgac catcacattt cagtattcat agatgactgt cacattttaa 180
aatgttccca cttgagcagg tacacaactg gtcataattc ctgtctgtgt aattcgatgt 240
atatttttcc aaacatgtag ctattgtttg ctttgatttt tgcttggcct cctttatgat 300
gtgcatgtcc ttgaaggctg aatgaacagt ccctttcagt tcagcagatc aacaggatgg 360
agctcttcat gactgtctcc agcaatagga tgatttacta taaatttcat ccaactactt 420
gtgatctc 428

<210> 543
<211> 259
<212> DNA
<213> Homo sapiens
<400> 543
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tggtaatgta acttaattat aagctatgtc actaccctcc tgtaaaatac tattggacag 120
acacagaggg acccttggct cctgtgtctg gtccacacac cacagaagct tgtattatca 180
gtgaatataa atgtactaca tttgcatgcc ttttgggttt gccttaattc ttacctcatt 240
tgcatcctat cgatctgga 259

<210> 544
<211> 446
<212> DNA
<213> Homo sapiens
<400> 544
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ttactacatc cagaatgtag aaactgcttt cttcaacatc ttggttctag ctagtaataa 120
caatataatt ctttggcaga tattcagaat aacattttaa actacatttt cttagaaaat 180
tgcattcttg tagtgagcag tgtatggtct cttttgttca gaatttaaaa ctgataacca 240
atgaaagcct tttctcttat tcctctaccg tcatttacat gataatctga agctaatatg 300
acaatattta aatactaagt ggtactaggg aactacaaga atactgtaaa gcttaagcca 360
ttgttatcac tgtcatttag catttaataa caaaactata cagaattatg tgcataccaa 420
tgaatgtttt gtaccatcta gttaaa 446

<210> 545
<211> 563
<212> DNA
<213> Homo sapiens
<400> 545
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tcatagggca ttactggtag gcaggaaaac tgagggtcga acaaatggaa gaatgcggtg 120

atcatagacc aaagacacac agataattaa ccccatgtgt ccacccaggc caaagttctt 180
cctgctaccc cacagtggat gtccaggcag atggtcccca catgatgggg aagcagaggg 240
catagtgtgg ttttgtggga cttgttcatg ttttgtagtg tgggctcaac agtgccaaag 300
gaaacactag ggaaaagttg gtgaaacatg ccagctagca ggaccagtaa aggcataatc 360
aggcatttgg caaagcttgc ttttctaatt caatgatagg ttctaatagg aaatttttga 420
agatttttta aaacaatgtt atagtggcac ttccccagta tggaataaat aacatgcatt 480
ctttttttcaa tatactgtca tattcagatg tcattaaaat aaatggatga gtcacagagg 540
agctatcaga tgctctcatg act 563

<210> 546
<211> 484
<212> DNA
<213> Homo sapiens
<400> 546
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ggttacttta catcctacta agaagtttaa gtaagtaagt ttcattctaa aatcagaggt 120
aaatagagtg cataaataat tttgttttaa tctttttgtt tttcttttag acacattagc 180
tctggagtga gtctgtcata atatttgaac aaaaattgag agctttattg ctgcatttta 240
agcataatta atttggacat tatttcgtgt tgtgttcttt ataaccaccg agtattaaac 300
tgtaaatcat aatgtaactg aagcataaac atcacatggc atgttttgtc attgttttca 360
ggtactgagt tcttacttga gtatcataat atattgtgtt ttaacaccaa cactgtaaca 420
tttacgaatt atttttttaa acttcagttt tactgcattt tcacaacata tcagacttca 480
ccaa 484

<210> 547
<211> 402
<212> DNA
<213> Homo sapiens
<400> 547
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tctgaacttt ttagtatttt ataaatggtc caaaaaatgc ctgtttcaga agtttttgaa 120
ttcagtgcat ttcctcttga tttgtctggg ttaaaaccat tccttttgta tgaaatgttt 180
tgacttagga atcattttat gtacttgttc tacctggatt gtcaacaact gaaagtacat 240
atttcatcca aatcaagcta aaatttattt aagttgattc tgagagtaca ggtcagtaag 300
cctcattatt tggaatttga gagaagtata ggtgatcgga tctgtttcat ttataaaagg 360
tccagttttt aggactagta cattcctgtt attttctggg tt 402

<210> 548
<211> 503
<212> DNA
<213> Homo sapiens
<400> 548
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gattttgttg gtgagtagtc tcatgccttg agatctgtgg tggtcttcaa aatggtggcc 120
agccagatca aggatgtagt atctcatagt tcccaggtga tatttttctt attagaaaaa 180
tattataact catttgttgt ttgacactta tagattgaaa tttcctaatt tattctaaat 240
tttaagtggt tctttggttc cagtgcttta tgttgttgtt gtttttggat ggtgttacat 300
attatatgtt ctagaaacat gtaatcctaa atttaccctc ttgaatataa tccctggatg 360
atatttttta tcataaatgc agaataatca aatacatttt aagcaagtta agtgtcctcc 420
atcaattctg tattccagac ttgggaggat gtacagttgc tgttgtgtga tcaaacatgt 480

ctctgtgtag ttccagcaaa tca 503

<210> 549
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n is a, c, g, or t
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gtggatgtcg cagttaatgt gtaataagac attatttccc ctgcataatg tacaacagca 120
ttgaaatgac acattaagcc tagcatcaca ttgtatagta cagtcactca caaacccttc 180
aaggctaccc taatcattaa cattaatatt tgtttaaaag caaatcaccg atttatctat 240
tgaaactact taaatgacgg caaaccagga atgacagatg gctgtgtcag caatggcttt 300
aatgtgttcc ctgcaagtgg tctcctatga ntagaactgc gttctcaaat gcactctctt 360
cagggtctta atattctgtg ttttctctct gtatttgtaa aacattataa cacattaatt 420
tcctatctct acacatttgg 440

<210> 550
<211> 505
<212> DNA
<213> Homo sapiens
<400> 550
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ccataaactt ggaagaatct ttgagcaaat tttctcagtt gtctgtatga cttcagtata 120
ttcctgggaa tgccatagga ttttttgtgc ttgatacatg gtatccagtt tgcatagtat 180
cacttctttg taatccagtt gctgttaaga atgatgtact ttaaaggaaa agagaaaact 240
gcatcacagt cccattctcc agtgtccatg caatgaattg ctgagcattt aggaagcagc 300
accaagtcta ttacaggcat ggtgtgaaac ttgatgtttg acctgtgatc aaaattgaac 360
cattgtacag tttggcttct gtttgcttca aaatatgtag aattgtggtt gatgattaat 420
ttgcgagact aactttgaga gtgtaacagt tttgaagaaa acattgaatg ttttacaaat 480
gaaggggctt cacggaatgt tacaa 505

<210> 551
<211> 476
<212> DNA
<213> Homo sapiens
<400> 551
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tatctacttc tctctctctg aagatgtcaa atcgtggttt agatcaaata tatttcaagc 120
tataaaagca ggaggttatc tgtgcagggg gctggcatca tgtatttagg ggcaagtaat 180
aatggaatgc tactaagata ctccatattc ttccccgaat cacacagaca gtttctgaca 240
ggcgcaactc ctccattttc ctcccgcagg tgagaaccct gtggagatga gtcagtgcca 300
tgactgagaa ggaaccgacc cctagttgag agcaccttgc agttccccga gaactttctg 360
attcacagtc tcattttgac agcatgaaat gtcctcttga agcatagctt tttaaatatc 420
tttttccttc tactcctccc tctgactcta agaattctct cttctggaat cgcttg 476

<210> 552
<211> 493
<212> DNA
<213> Homo sapiens
<400> 552
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aaaactgtgt ctatgcaacc ttccaagtgc ggagtgtcaa ccaactggac gggagagagt 120
actgctccta ctccaggact ctcacaaagc tgatgagctg tacttcagaa aaaaataata 180
atttccatgt tttgtatata tctgacaaaa ctggcaacat cttacagact actgacttga 240
agacaacctc ttttatattt ctctatttct gggctgatga atttgttttc atctgtcttt 300
tccccccttca gaattttcct tggaaaaaaa atactagcct agctggtcat ttctttgtaa 360
ggtagttagc aattttaagt ctttctttgg tcaacttttt tttaatgtga aaagttaggt 420
aagacacttt tttactgctt ttatgttttt ctgtcttgtt ttgagaccat gatggttaca 480
cttttggttc cta 493

<210> 553
<211> 481
<212> DNA
<213> Homo sapiens
<400> 553
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tgagaactgg tactctcagt gtgttctggt catcttgtgg cttagttgta gaagcaggtg 120
tgtctcttgc ctctgcttgc ctcctactgc acactcagca cccaggactg gaatcaccga 180
ctactgaatc tcctacatgt attgctgcta cttcaagctc ctccacttga aaccttatga 240
ttttccaagg ggagatggga cagtgtcatc taaatattcc gaatgtttgg ccttctgaga 300
aaagagcttc tagtaattga accatgggtt tcccagcttc tggagggttg gccgtgggct 360
gtgtacatgt gtgtgcccag gggtgagtgt ttctcaggat tcctaacgat tcaaattacc 420
gttgagtata tataaagaat cgagtctctg tatggaagaa caaatgtgtg cattcacccc 480
c 481

<210> 554
<211> 377
<212> DNA
<213> Homo sapiens
<400> 554
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tttaaactac tgattgaatg ttaatggtca atgctagcac aatattccta tgctgcaata 120
cattaaaata actaagcaag tatatttatt tctagcaaac agatgtttgt tttcaaaata 180
cttctttttc attattggtt ttaaaaaagc attatccttt tatctcacaa ataagtaata 240
tctttcagtt attaaatgat agataatgcc tttttggttt tgtgtggtat tcaactaata 300
catggtttaa agtcacagcc gtttgaatat attttatctt ggtagtacat tttctccctt 360
aggaatatac atagtct 377

<210> 555
<211> 482
<212> DNA
<213> Homo sapiens
<400> 555
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gaatatcata cagtttatac gctcatagtt ctcttgtgaa cacttcaaac atcgctaagc 120

atttgatctg gccatgtata tggtagctgt gttttaattt gagaatcttg agggtagagc 180
cacaaatttc aattcttaca tttccatttg caaagtgact agagaaaaag aaatcagctt 240
aaatgaggta ttaagtaatg tttagagttg taggtattaa ctagaatata aatccttaga 300
aattgtcttt ataccttcaa aaattatact atgcatttat catagaaatg tgattacaaa 360
gaagtctgac taccatgtct ttaaacatat ggcatctctc aacttttctt ccttatgggg 420
ctacatttgt tcatttccag cagtagcata aacttacggt gacatggtag acttgtctct 480
aa 482

<210> 556
<211> 515
<212> DNA
<213> Homo sapiens

<220>
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<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t
<400> 556
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atttaggttg tttctaattt tcattattat aaagttgcag aaatttggtg tacataaaac 180
tgtctccata taattgatta ttaggatata ttcccatgaa ggattcnttt ttttaaaaaa 240
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gcatgggtgg cagttgtgag gaaaagccag tcaaatgacc tttttacaaa agaaatgcag 360
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gttatccagc tcttggtagc cacacctgca atgta 515

<210> 557
<211> 430
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (43)..(44)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t
<400> 557
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cgccaggaat caccccgata ggctgccacc ctattaggtg atacctgttt aatatgttgn 120
ccaggtagac tagtagttgc atcagtttgc tgtaacaagt aaccagtgag gtaacacagt 180
ggtgaagcag gtcaggggag gtcaggagga tgtctgagag aaagaagtcc gggagatgaa 240
tggctgtcta ggaaggagga tgtcagtgca cggttagtgt ttgagcagag ggcagacttg 300
taaagtacct gtagtgaaaa gaatgtgggg acccgattag cagaaaggtg tttgcacnta 360
ctttatacaa aatacagaat actttatatt ggaagtgaaa gaaatgaacg tggactttta 420
cacatgtgca 430

<210> 558
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t
<400> 558
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ctctcatagc gtagacctag ggaagggatg ggaagattgc ccagtccccg atggctgcgc 120
acacaggagg cggcggngca caaggcaagt gagtttgcac tgtcagcccc agaccgtaag 180
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tcagtaagtt tttagaacat caaaatgttt tctgagctcc aagtggctag gttgtaaaag 300
ttttataata atttgcaatt aaaatacatg atacatatta atccattaaa gactagtggg 360
aatgtatcag ccagagtagc aagtaatttt tgttttataa atcatagtat ctgtcatctt 420
gcagtattac caatgct 437

<210> 559
<211> 519
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t
<400> 559
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aataccattc tatgagaaag agtagttata tgcccagact gtattaattt actttagaaa 180
ctaatgtttg aagtaatgga aaaaatttta aattataaag ctaaggtgca ataacatttg 240
ctacttattt atagaattat ttgaagaatt ttgtttttga agtaatgctt taaggagtat 300
aagatattca agataaatta tactataaaa tgattttatt gaaagttgaa ggttacacaa 360
attgttttag gtatgagcag aagaggttaa ggtatttcta aaggtaacat atagtcaaga 420
gtttcctcaa aatagttatt tggagaagaa tcagaatgtc tgtgtatttc ttgtctgttt 480
ctatgttgtc ttatagctct gactaaatgt gtttaccta 519

<210> 560
<211> 412
<212> DNA
<213> Homo sapiens
<400> 560
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agtactgatt atgaccagat tctacctgat tgttattctt ggcctgaaga ggtgcagaaa 120
atacagacca aagttgacca gtaggataat agcaaacatt tctaactcta ttaatgaggt 180
ctttaaacct ttcataattt ttaaaggttg gaatctttta taatgattca taagacactt 240
agattaagat tttactttaa cagtctaaaa attgatagaa gaatatcgat ataaattggg 300
ataaacatca catgagacaa ttttgcttca ctttgccttc tggttattta tggtttctgt 360
ctgaattatt ctgcctacgt tctctttaaa agctgttgta cgtactacgg ag 412

<210> 561
<211> 433
<212> DNA
<213> Homo sapiens
<400> 561
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ctctttgcac caaaaatggt ccagatagac tctttttaag gatcttggct gcttttttact 120
agaaggttgc ttttatgagc atatttatac tgctgaagga tgagtgttaa ttttaattaa 180
ctttgccgtt ttgtagagaa aactattcac aagataaatt ccaagtcttt tcacctgtca 240
ggcatgcata ttttaatatc tgtttggata gtcagaagta gaatcataaa ggtaaaatat 300
gagttgttac tttgtttctt cgatgtcata ttttatgtgt aatatatatg taaagggcca 360
ttcttaagtt ctctccttaa acttaatgct gtcaagtgtt agatgtgtgc atgtgaactt 420
gttgcactgc aga 433

<210> 562
<211> 490
<212> DNA
<213> Homo sapiens
<400> 562

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cattaatgta gataaagcac tgtttggata tgagatgtag caaattccaa tacattattg 180
gacttccatt tggaatcata tgggatactg ctggtcttat cctgtccctc ctccaggtag 240
agagaccaca tgcaggctca acataacata agctagaaaa attagatgac tgaatttcta 300
tggcatattg ataataaaat tcattccatt tgctgattgt ctgaaatttt ctagaatact 360
aataaaatac atactataga ttctttatta gtgaagtatg cactaatcaa tactttgaac 420
acaaagcctg tgttactgat ttggccgttt tgtgaagaaa catttatctt tgtacgttct 480
tctattgtgc 490

<210> 563
<211> 475
<212> DNA
<213> Homo sapiens
<400> 563
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ctactgagga taataaaatc cacattcact taggaagtcc ttacatgcaa gctgtagcca 120
gcccttcagc accactgcag gataaccgaa ctcaaggctt aattaacggg gcactaaaca 180
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<212> DNA
<213> Homo sapiens
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<211> 444
<212> DNA
<213> Homo sapiens
<400> 569

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cagccagagc tccctgttgc cctccttttc ccgtttagtc ccaggaacaa aaagggcatt 420

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<212> DNA
<213> Homo sapiens
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<210> 574
<211> 535
<212> DNA
<213> Homo sapiens
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<211> 401
<212> DNA
<213> Homo sapiens
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<211> 396
<212> DNA
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<400> 576
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<211> 318
<212> DNA
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<211> 411
<212> DNA
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acaagttctc tgctcccatg acgcgccagg cacagttctg caagtatatt gtgaatgtat 180
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<210> 580
<211> 336
<212> DNA
<213> Homo sapiens
<400> 580
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<213> Homo sapiens
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<212> DNA
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<210> 584
<211> 465

<212> DNA
<213> Homo sapiens
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<210> 585
<211> 360
<212> DNA
<213> Homo sapiens

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<400> 585
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<212> DNA
<213> Homo sapiens
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<211> 468
<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 532
<212> DNA
<213> Homo sapiens
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<210> 591
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<212> DNA
<213> Homo sapiens
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<211> 476
<212> DNA
<213> Homo sapiens
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<211> 537
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
<400> 594
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<210> 595
<211> 568
<212> DNA
<213> Homo sapiens
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<210> 596
<211> 360
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (250)..(250)
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<400> 596
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acttcgaaan tctgagttcc tggaatggca cgttgctgcc agtgccccag acagttcttt 300
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<210> 597
<211> 538
<212> DNA
<213> Homo sapiens

<220>
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<223> n is a, c, g, or t
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<210> 598
<211> 521
<212> DNA
<213> Homo sapiens
<400> 598
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<210> 599
<211> 532
<212> DNA
<213> Homo sapiens
<400> 599
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<211> 447
<212> DNA
<213> Homo sapiens
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<210> 601
<211> 447
<212> DNA
<213> Homo sapiens
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<211> 547
<212> DNA
<213> Homo sapiens
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<211> 543
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<213> Homo sapiens
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atg 543

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<211> 473
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<211> 373
<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 477
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<212> DNA
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<212> DNA
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<212> DNA
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<210> 618
<211> 423
<212> DNA
<213> Homo sapiens
<400> 618

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caa 423

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<211> 543
<212> DNA
<213> Homo sapiens
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cagttatgtt accgaaacac aaaactgcca aaatcttact ctgctgttat gaatgtttac 180
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ttt 543

<210> 620
<211> 406
<212> DNA
<213> Homo sapiens
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<211> 530
<212> DNA
<213> Homo sapiens
<400> 621
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aggttttatt catatatata cagggtatta agaattaaga ggatgctggg ctctgttctt 360
ggcttggaag attctattta attgaaactc tctgttcaga aagcaataac tttgtctcgt 420

tcctgttggg ctgaacccta aggtgagtgt gcagtacagt gtgtgtgggt gaaatggaga 480
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<211> 434
<212> DNA
<213> Homo sapiens
<400> 622
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ccttttgtat ttat 434

<210> 623
<211> 417
<212> DNA
<213> Homo sapiens
<400> 623
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aactgagata tcccgccatc tagaaggagc ttatgctgac tgggatgtgg tcatgtcaag 180
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ttgtgattta catataattt ccttaacaat gaacatgtaa cttctctcac aagagtactc 360
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<210> 624
<211> 317
<212> DNA
<213> Homo sapiens
<400> 624
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gatcgacagc gtcctggcct agggtgccgg ggcctgaagg tcagggtcac ccaagcaaca 240
aagtcccgag caatgaagtc atccactcct gcatctggtt ggtctttatt gagcacctac 300
tatatgcaga aggggag 317

<210> 625
<211> 383
<212> DNA
<213> Homo sapiens
<400> 625
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gctgagcaga agatgccggt gcaagttcaa ccagcagcag aggactgggg aacccgatga 300
agaggaggga actttccgca gctccatccg ccgtctgtcc acccgcaggc ggtagaaaca 360
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<210> 626
<211> 317
<212> DNA
<213> Homo sapiens
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agttttcaga cactacgcac cacagtcaag gaagcctcct ccacgttctc ctggggcatt 180
gtgctggccc cactttcact ggccttcttg gttttggggg gaatatggat gcacagacgg 240
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<210> 627
<211> 397
<212> DNA
<213> Homo sapiens
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agaaatccat gcaggaagat cctggaattt ctctactcaa cgagctataa tatggacaga 180
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gaaatgtaat aataatgaat gtcatgcacc gctgcag 397

<210> 628
<211> 561
<212> DNA
<213> Homo sapiens
<400> 628
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tgtgtgttaa cccagtgctt tccattcgtg aaaacacatt tgctttttgt gatatgcaca 180
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aatacttgaa tgtgtctcac agtttgaaat aagctatttg atgtaatact tcttgtgtgt 360
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gtctttaatg caatatactg g 561

<210> 629
<211> 514
<212> DNA
<213> Homo sapiens

<400> 629
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taacttgtat aaactgtgtg acttgtggcg tcttataaat aatgcactgt aaagattact 300
gaatagttgt gtcatgttaa tgtgcctaat ttcatgtatc ttgtaatcat gattgagcct 360
cagaatcatt tggagaaact atattttaaa gaacaagaca tacttcaatg tattatacag 420
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<210> 630
<211> 527
<212> DNA
<213> Homo sapiens
<400> 630
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<210> 631
<211> 489
<212> DNA
<213> Homo sapiens
<400> 631
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gctctccagg ccagagcttg tgtccttcaa cagagaggcc agcggcaact ggtccgttac 180
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<211> 546
<212> DNA
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gggggccctc tggtctgtaa ccagtctctt caaggcatta tctcctgggg ccaggatccg 180
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<210> 633
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (87)..(87)
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<211> 489
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<212> DNA
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gccatcttag atttctttgt tcctgtagac ttata 155

<210> 636
<211> 355
<212> DNA
<213> Homo sapiens
<400> 636
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cggccaggac tgccagccct gccaccgctt ctgcgccact tgtgctgggg caggagctga 120
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<210> 637
<211> 469
<212> DNA
<213> Homo sapiens
<400> 637
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<210> 638
<211> 455
<212> DNA
<213> Homo sapiens
<400> 638
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cgtcattggc cagtactctt caggcccctc tgagaccaac cactggaggc gcatgctcaa 360
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<210> 639
<211> 418
<212> DNA
<213> Homo sapiens
<400> 639
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ccactggaaa aggtgaaaat gttttattca gcatttaact tacatttgta ctttagagta 180
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<210> 640
<211> 505
<212> DNA
<213> Homo sapiens
<400> 640
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<210> 641
<211> 533
<212> DNA
<213> Homo sapiens
<400> 641
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<210> 642
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<212> DNA
<213> Homo sapiens
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<210> 643

<211> 555
<212> DNA
<213> Homo sapiens
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ccttcaaacc ttgtaaagaa acacagatcc ccttgaaatt agacacgcaa ggacttcttc 420
aaccagaaaa acccattgtt ctaaaggtgg attcaagaga tggaacccta agtggagaat 480
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<210> 644
<211> 300
<212> DNA
<213> Homo sapiens
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<210> 645
<211> 551
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (119)..(120)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (149)..(149)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (167)..(168)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t
<400> 645
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agggttncng gttctccctg cccccaatnc cnatatactt tantgcnntt ttatttttgc 180
ctttacggnc tctgtgtctt tctgcaagaa ggcctggcaa aggtatgcct gctgttggtc 240
ccntcgggat aagataaaat ataaataaaa ccttcagaac tgttttggag caaaagatag 300
cttgtacttg gggaaaaaaa ttctaagttc ttttatatga ctaatattct tggttagcaa 360
gactggaaag aggtgttttt ttaaaatgta cataccagaa caaagaacat acagctctct 420
gaacatttat tttttgaaca gaggtggttt ttatgtttgg acctggtaat acagatacaa 480
aaactttaat gaggtagcaa tgaatattca actgtttgac tgctaagtgt atctgtccat 540
attttagcaa g 551

<210> 646
<211> 468
<212> DNA
<213> Homo sapiens
<400> 646
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cacatacagg cgaccacccc tacgagtgtg agttctgtgg cagctgcttc cgggatgaga 120
gcacactcaa gagccacaaa cgcatccaca cgggtgagaa accctacgag tgcaatggct 180
gtgacaagaa gttcagcctc aagcatcagc tggagacgca ctatagggtg cacacaggtg 240
agaagccctt tgagtgtaag ctctgccacc agcgctcccg ggactactcg gccatgatca 300
agcacctgag aacgcacaac ggcgcctcgc cctaccagtg caccatctgc acagagtact 360
gccccagcct ctcctccatg cagaagcaca tgaagggcca caagcccgag gagatcccgc 420
ccgactggag gatagagaag acgtacctct acctgtgcta tgtgtgaa 468

<210> 647
<211> 416
<212> DNA

<213> Homo sapiens
<400> 647
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atatgcttgg caagaccgag gtcgatttgt cccagcctta ccggagaaaa gagctatggt 180
tagttacact agctcatcct attccccccag ctctttcttt tctgctgttt cccaatgaag 240
ttttcagatc agtggcaatc tcagttccct tgctatgacc ctgctttgtt ctttcccgag 300
aaacagttca gcagtgacca ccacccacat gacatttcaa gcaccacctt aagccagcca 360
gagtaggacc agttagacct agggtgtgga cagctccttg catcttaaca ctgtgc 416

<210> 648
<211> 555
<212> DNA
<213> Homo sapiens
<400> 648
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attgcacata cactgatttt tagcattgtc tattcctatt tttcctttgc ccattgtact 180
tccatatatc ttttcattaa cttacttgct gccttttttt tttcttggta cacatttaaa 240
taaagtaatc cttaacctgt gctgtaaagt tcacccttgg catgctgttc caagaacctg 300
ggtttgaatc ccaatcgttg tgaaacatac tcagtattga taaaaccttt ttaataagtg 360
atgcagagca gccaaggata tgttgaccca gatgtcaacc aggctatttt tatacttaaa 420
acatgtcagc agagcatagg cagaataaaa tggtttaaat accccacagc aaatagagta 480
actgacaaac caccaaaaac tgaaacccca gacccaccag aaagacaagt gtctagcaat 540
gccttggtac ctgat 555

<210> 649
<211> 343
<212> DNA
<213> Homo sapiens
<400> 649
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tccatacgca tgaaacgcta catcctgcac ttccactcgg ctgggctgga caccatggag 120
tgtgtgctgg agctgaccgc tgaggacctg acgcagatgg gaatcacact gcccgggcac 180
cagaagcgca ttctttgcag tattcaggga ttcaaggact gatccctcct ctcaccccat 240
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ccccttccca caacctgcca gactaggcta tcggtgctgc ttc 343

<210> 650
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t
<400> 650
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tttgattggg tattaaaagt attagaaggt ggttataatt gcagagtatt ccatgaatag 120

tacactgaca cagggtttt actttgagga ccagtgtagt caagggaaaa catgagttaa 180
aaagaaaagc aggcnatatt gcagtcttga ttctgccact tacaggatag ataacgcctg 240
aactttaatg acaagatgat ccaaccataa aggtgctctg tgcttcacag tgaatctttt 300
ccccatgcag gagtgtgctc ccctacaaac gttaagactg atcatttcaa aaatctatta 360
gctatatcaa aagccttaca ttttaatata ggttgaacca aaatttcaat tccagtaact 420
tctattgtaa ccattatt 438

<210> 651
<211> 389
<212> DNA
<213> Homo sapiens
<400> 651
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gtttataaaa cctctaacca tctctttgtt ctttgaacat gctgaaaacc acctggtctg 120
catgtatgcc cgaatttgta attcttttct ctcaaatgaa aatttaattt tagggattca 180
tttctatatt ttcacatatg tagtattatt atttccttat atgtgtaagg tgaaatttat 240
ggtatttgag tgtgcaagaa aatatatttt taaagctttc atttttcccc cagtgaatga 300
tttagaattt tttatgtaaa tatacagaat gttttttctt acttttataa ggaagcagct 360
gtctaaaatg cagtggggtt tgttttgca 389

<210> 652
<211> 385
<212> DNA
<213> Homo sapiens
<400> 652
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gtgtaacccg agcatttgtg gacaactgtc tccagctgca tgaagcgaaa cgtttggact 120
ccgccactgc ttgcatggcg aaatattggg catctgagtt acaaaatagt gtagcttacg 180
actgtgtaca gctccatgga ggttggggat acatgtggga gtacccaatt gcaaaagctt 240
atgtggatgc cagagttcag ccaatctatg gtggtacaaa tgaaataatg aaggagctga 300
ttgcaagaga gattgtcttt gacaagtaga catctgccca catcctggag tcctattaca 360
gctaatctcg ttttaaatct gctca 385

<210> 653
<211> 464
<212> DNA
<213> Homo sapiens
<400> 653
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gactccatga gctaccacag cggcagtgtc ttctctgccc gtgatcggga ccccaacagc 120
ttgctcatct cctgcgctgt ctcctaccga ggggcctggt ggtacaggaa ctgccactac 180
gccaacctca acgggctcta cgggagcaca gtggaccatc agggagtgag ctggtaccac 240
tggaagggct tcgagttctc ggtgcccttc acggaaatga agctgagacc aagaaacttt 300
cgctccccag cgggggggagg ctgagctgct gcccacctct ctcgcacccc agtatgactg 360
ccgagcactg aggggtcgcc ccgagagaag agccagggtc cttcaccacc cagccgctgg 420
aggaagcctt ctctgccagc gatctcgcag cactgtgttt acag 464

<210> 654
<211> 479
<212> DNA

<213> Homo sapiens
<400> 654
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cggggtacgc gaccacccaa ccgagcagag gctttgggta cagacccccc agctactcga 120
cagcctacct gcctggcagc tatggctctt cccactgcaa actggaagcc ccctcaccgt 180
gctccctccc tcagagtgac cctaggctcc agggggaact gctgcccacc tatacccact 240
acctgccccc tggctctccc actccataca accctccct tgctggtgcc cccatgcccc 300
taacccacct ctaaccctca tggacgcaga cctcacggga cgggcctcat cctccttttt 360
taatccagca gcatccccta ccccaggctg tcaacccttt ctcctgttgg actacagttc 420
agaggcagcc tgcagtcctc ccatgatagc cagggagagc cgcacaacat acaattata 479

<210> 655
<211> 469
<212> DNA
<213> Homo sapiens
<400> 655
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tgctaaccca gtaacccagt gggaagagat ttacttattc caataattcc aagtggagag 180
tgtcattgac ccgtttgggg tctcatctct acttctaggg gaatgaaaca ctttgagtgg 240
ccaggcctgt gtcatgtgct aattcctaga gccagggaaa taaggtctga ggattcagga 300
tggggtgaaa ggtggttgct taaaggaaaa tgaaatacaa ttagcagaat aaggggaaac 360
gagtggtctg ctctgctcgg gcaaaacaag agatgcccat tactgtgagg gacccttgaa 420
gtctggactc ttaaatgggt ttttgctgat ttcctgggtg catgctagg 469

<210> 656
<211> 445
<212> DNA
<213> Homo sapiens
<400> 656
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tttgagtgat tatttgttat ttgtacagtt cagttcctct ttgcatggaa tttgtaagtt 120
tatgtctaaa gagctttagt cctagaggac ctgagtctgc tatattttca tgacttttcc 180
atgtatctac ctcactattc aagtattagg ggtaatatat tgctgctggt aatttgtatc 240
tgaaggagat tttccttcct acacccttgg acttgaggat tttgagtatc tcggaccttt 300
cagctgtgaa catggactct tccccccactc ctcttatttg ctcacacggg gtattttagg 360
cagggatttg aggagcagct tcagttgttt tcccgagcaa aggtctaaag tttacagtaa 420
ataaaatgtt tgaccatgcc ttcat 445

<210> 657
<211> 535
<212> DNA
<213> Homo sapiens
<400> 657
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gaagttatac cttcctcttc ccctttacca aataaagcaa agtcaaacca tcatctggaa 120
acagtggcca cttttcactg acctctcttc gacatctagt caacccaccc aatatgccac 180
tgggtttcgc tcccaattcc accccaccct ccattacaga gctcaccacg ccctcctaga 240
tcaccgtccc caacacaccc attgcctctc aaggccctta tctcagcccc ttcctgtggc 300
catttccctc agtgcccaga tgattccctg ggtgagggag acactggggc accctcagag 360

gttggagcag gctccctgct gtccctggat cctggacaga tggctcagta aactgtggga 420
ctaggtgcag acttttgcct tcttggagtc ctgggtctcc tctgagaggt ctgggtggtg 480
ctcctcctac gcctctagag gtctctgtgt tcctcatttt ccttcaaaag cgggc 535

<210> 658
<211> 522
<212> DNA
<213> Homo sapiens
<400> 658
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cccagagact cggtatttgc ttactgtgtt tcaagtagag gaaatcgtgg tcttgaacta 120
ttctgtacca cagcaaacaa tctatgttgc tttactatca actgctgtaa tcgtttataa 180
aacttaccta gctccttccc ttcttctatc atagctttaa acattagaat tcataggcaa 240
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caagaaaaca tttcttcctg attgacaaca gtgttagcaa ggtgcaaagc gaaactggtt 420
gctcaagttg atagaaaaca aaattctgaa tatcttcaaa ttaattcggt aaaaacacat 480
tatttttca tatgtgatgt attcatgcag aacaactatc tt 522

<210> 659
<211> 567
<212> DNA
<213> Homo sapiens
<400> 659
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tgtgcggagt cgtgcacacc cagctacacc ctgcaaggcc aggtcagcag cggcaccagc 120
tccacccagt gctgccagga ggacctgtgc aatgagaagc tgcacaacgc tgcacccacc 180
cgcaccgccc tcgcccacag tgccctcagc ctggggctgg ccctgagcct cctggccgtc 240
atcttagccc ccagcctgtg accttccccc cagggaaggc ccctcatgcc tttccttccc 300
tttctctggg gattccacac ctctcttccc cagccggcaa cgggggtgcc aggagcccca 360
ggctgagggc ttccccgaaa gtctgggacc aggtccaggt gggcatggaa tgctgatgac 420
ttggagcagg ccccacagac cccacagagg atgaagccac cccacagagg atgcagcccc 480
cagctgcatg gaaggtggag gacagaagcc ctgtggatcc ccggatttca cactccttct 540
gttttgttgc cgtttatttt gtactca 567

<210> 660
<211> 392
<212> DNA
<213> Homo sapiens
<400> 660
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cgagcctgga tgcagaagtc gcacaagacc cgcaaccagg acgaggggat cctgccctcg 120
ggcagacggg gcacggcgag aggtcctgcc agataagctg taggggctca ggccaccctc 180
cctgccacgt ggagacgcag aggccgaacc caaactgggg ccacctctgt accctcactt 240
cagggcacct gagccaccct cagcaggagc tggggtggcc cctgagctcc aacggccata 300
acagctctga ctcccacgtg aggccacctt tgggtgcacc ccagtgggtg tgtgtgtgtg 360
tgtgagggtt ggttgagttg cctagaaccc ct 392

<210> 661
<211> 196

<212> DNA
<213> Homo sapiens
<400> 661
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agccccagca tcgtgtactt accagtgtgt tcacaaaatg aaatttgtgt gagagctgta 120
cattaaaaaa aacatcatta ttattattat ttgcagtcat ggagaaccac ctacccctga 180
cttctgttta gtctcc 196

<210> 662
<211> 489
<212> DNA
<213> Homo sapiens
<400> 662
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aacaaaaaaa aataacctat acggtagttg ctttaggggg tgggggggatg ctatctgtta 120
gtgcttaaaa gggggtaaat gcttgccgct ttagaggtgg atggtgctca taaaaggccc 180
cagtcggggg tatttaaaaa ggactgaaca gaaatcctta gctagtagaa tggcagcacg 240
ctgtaaaatt attactgtat tgtgtactgg ctataagatg tagacacctt tcagtaagcc 300
aatcatttgt aaccattcta gcagtgtcat attaggttaa taaggctgct gtgttttaaa 360
gggcattttt atttgggttt tggtgaaatt ctttaatttg ttgattatat tcacataaaa 420
tcagcattca ttgacacata gctctaatga catatgtatg aaaaaccata cactggatga 480
cctagtcga 489

<210> 663
<211> 386
<212> DNA
<213> Homo sapiens
<400> 663
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gtaaacctgc tgtgcgggga ggagcagggc tccgatgccg ccctgcattt caacccccgg 120
ctggacacgt cggaggtggt cttcaacagc aaggagcaag gctcctgggg ccgcgaggag 180
cgcgggccgg gcgttccttt ccagcgcggg cagcccttcg aggtgctcat catcgcgtca 240
gacgacggct tcaaggccgt ggttggggac gcccagtacc accacttccg ccaccgcctg 300
ccgctggcgc gcgtgcgcct ggtggaggtg ggcggggacg tgcagctgga ctccgtgagg 360
atcttctgag cagaagccca ggcggc 386

<210> 664
<211> 523
<212> DNA
<213> Homo sapiens
<400> 664
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<210> 665
<211> 446
<212> DNA
<213> Homo sapiens
<400> 665
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cgactcaatt tagcccaagt gctgaaacaa gaaatgtcat ttttttcatc aaagacacca 120
gggcagattt ttaagtaaag aaagacaatt ggacccttaa gaatttatgc atttgtaaag 180
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aaacctgaac ctttgtgtgt tttctaattg tacctgagtt gaccatcctt tctttttata 300
gtatatttct tgtatgatat tttgtaaagc tctcacctgg ttcttttatg gggacttttc 360
gtttttgggc aactccagtg tatttatgtg aaactttata agagaattaa tttttccatt 420
tgcatattaa tatgttcctc cacaca 446

<210> 666
<211> 554
<212> DNA
<213> Homo sapiens
<400> 666
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gtggctcatg cctgtaatcc cagcactttg ggaggctgag gcaggtggat cacgaggtca 120
ggagatcgac accatcctgg ctaacacggt gaaaccccgt ctctactaaa aaatacaaaa 180
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gcactccagc ctgggcgaca gagcgagact ccatctcaaa aaaaaaaaaa aaaaaaagaa 360
agaaagaaaa ataattttgg gagtttctgg aaaggtacta ggatttctca aaaggatttg 420
tcttctccct tgtgaaagac agatgtcaga ctaatcaggc ttatccgatg tgctacatga 480
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tttggtttga tatg 554

<210> 667
<211> 504
<212> DNA
<213> Homo sapiens
<400> 667
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aatttgggtg gataaatttc tggattttct atctattcca tgttggacca ataccacact 180
gccctagtca ctgttgcatt atagtatatc tttaaaggag taatgggaat ccttcaacta 240
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aatctataga tcaatctgag gagacttaat aatgatattg attctcccaa ttcatgaata 420
tagtataccc ctgtatttat ttgttttctt gaatttcttt tatcattgtt ttgtagtttt 480
caccatgaca gtcttgcaca tatt 504

<210> 668
<211> 342
<212> DNA
<213> Homo sapiens

<400> 668
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ggcggagatg aaagtggtcc tggcgttgat gctgctgcac ttccggttcc tgccagacca 240
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ggtggagccc ctgaatgtag gcttgcagtg actttctgac cc 342

<210> 669
<211> 463
<212> DNA
<213> Homo sapiens
<400> 669
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gctttttttg ttttaataag tgtgacaact taaaacttgt ttctatttaa agtgaaatgt 120
atctttcaac tgtttagtta cccagctgtt taatattcca gtcttcccaa agtgaaaaga 180
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aggtgttgga tcactggtgc atcatgacac caaatctata gtt 463

<210> 670
<211> 459
<212> DNA
<213> Homo sapiens
<400> 670
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attggcatac gttatcagca acttcccctg ttcaatagta tgggaaaaat aagatgactg 120
ggaaaaagac acacccacac cgtagaacat atattaatct actggcgaat gggaaaggag 180
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ttctctgcta ttaactggct agaagacatt catctatttt tcaaatgttc tttcaaaaca 420
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<210> 671
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ccggtccccg cctcctccgc tgcccaatct ctcagaccca ccccacctgc aggcccagac 180
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ttgggaggac catggggcac aatgc 265

<210> 672
<211> 478
<212> DNA

<213> Homo sapiens
<400> 672
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tcaacaaact atttcttata tatgtgaaca tttatcaatc agtataattc tgtactgatt 180
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atttcaagac attaaatcta tgaagtatat aatggtttca aagattcaaa attgacattg 300
ctttactgtc aaaataattt tatggctcac tatgaatcta ttatactgta ttaagagtga 360
aaattgtctt cttctgtgct ggagatgttt tagagttaac aatgatatat ggataatgcc 420
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<210> 673
<211> 513
<212> DNA
<213> Homo sapiens

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<210> 674
<211> 514
<212> DNA
<213> Homo sapiens
<400> 674
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tatcttatta atgagtttta aagatgtaaa acctaacctt ttttaaagct ccattgtctt 480
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<210> 675
<211> 387
<212> DNA
<213> Homo sapiens

<400> 675
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cacttctgtc ttgatggtct atggaaatag accttgaaaa taaggtgtct acaaggtgtt 300
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aacaactttc tgttctcatt tactaat 387

<210> 676
<211> 520
<212> DNA
<213> Homo sapiens
<400> 676
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<210> 677
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<212> DNA
<213> Homo sapiens
<400> 677
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gacattttgt ttttactgta tgtttttact gaatgatcta ttccccatcc caaggcaagc 360
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<210> 678
<211> 548
<212> DNA
<213> Homo sapiens
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atggtgaaga gtactttgga agtgttgctg aaatcatcag gaatcatcaa catagtcctt 240
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<210> 679
<211> 345
<212> DNA
<213> Homo sapiens
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<210> 680
<211> 474
<212> DNA
<213> Homo sapiens
<400> 680
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agttctcaag tcttaagata aagattgtac ttgacagttt agtatatcca taaaactatt 180
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<210> 681
<211> 479
<212> DNA
<213> Homo sapiens
<400> 681
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<210> 682
<211> 460
<212> DNA
<213> Homo sapiens
<400> 682
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tccacataca gtttttgaaa gatcttctct ccaaaccagt tagttagagc cagtgacgcc 240
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<210> 683
<211> 493
<212> DNA
<213> Homo sapiens
<400> 683
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taaacatata tct 493

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<211> 343
<212> DNA
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gagagaaagc tccatgggac tctgcccaag ctgaattttg gga 343

<210> 685
<211> 522
<212> DNA
<213> Homo sapiens
<400> 685
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<210> 686
<211> 555
<212> DNA
<213> Homo sapiens
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<211> 455
<212> DNA
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atgggatcct tatgttggat aaactacctt cccga 455

<210> 688
<211> 382
<212> DNA
<213> Homo sapiens
<400> 688
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<210> 689
<211> 451
<212> DNA
<213> Homo sapiens
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<211> 358
<212> DNA
<213> Homo sapiens
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<210> 691
<211> 473
<212> DNA
<213> Homo sapiens
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tgccactacg ccaacctcaa cgggctctac gggagcacag tggaccatca ggg 473

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<211> 521
<212> DNA
<213> Homo sapiens
<400> 692
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<212> DNA
<213> Homo sapiens
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cagtaaatct tttacaactg cctcgaca 388

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<211> 565
<212> DNA
<213> Homo sapiens
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<210> 695
<211> 564
<212> DNA
<213> Homo sapiens
<400> 695
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<212> DNA
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<220>
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<222> (431)..(431)
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<212> DNA
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ggctgtggac gggggaaggg ttgtggcggg tgttctgagg ctgagaggac acctatatgc 360
gtatttcctc tacacacatc acccccccttc tataatctta agccatgact agcctggtgg 420
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<210> 698
<211> 552
<212> DNA
<213> Homo sapiens
<400> 698
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tctggttgcc tatagtgctc tgggatctca acgagacaaa cgatgggtgg acccgaactc 120
cccggtgctc ttggaggacc cagtcctttg tgccttggca aaaaagcaca agcgaacccc 180
agccctgatt gccctgcgct accagctgca gcgtggggtt gtggtcctgg ccaagagcta 240
caatgagcag cgcatcagac agaacgtgca ggtttttgag ttccagttga ctgcagagga 300
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taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg gtgactggac 480
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<210> 699
<211> 503
<212> DNA
<213> Homo sapiens
<400> 699
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gatatgttga aaacttaagg aagcaaatgc tacatatatg caatataaaa tagtaatgtg 120

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aaacagctgt atagttgtag aat 503

<210> 700
<211> 497
<212> DNA
<213> Homo sapiens
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caagcagaga tgctccagaa tttaacccca cctccatcct atgctgctac aattgcttct 180
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aggactcaca ctggtgaaaa gccatacaag tgtacctggg aaggctgcga ctggaggttc 420
gcgcgatcgg atgagctgac ccgccactac cggaagcaca caggcgccaa gcccttccag 480
tgcggggtgt gcaaccg 497

<210> 701
<211> 505
<212> DNA
<213> Homo sapiens
<400> 701
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cagcctcctt ggaggtagaa tttatttatt taaaattact ggttgcatca agaacccata 180
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gtcacaaggg taaagcttac agtttacaaa ctgggaacgc cagggtgtag gatataaaaa 300
cgcactcttg agaaaacaaa tgtaatcagg gtgctgaaaa cttgcatggt gctttcagac 360
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attttgcctc tatgtctctt aaaattttaa ttaaaaatac tctttccagt aatcctaatt 480
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<210> 702
<211> 450
<212> DNA
<213> Homo sapiens
<400> 702
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cgctgggaaa tagatgttct gtctctatga caatatattt taactgactt tctagatgcc 180
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atcactattc ctggttatct caccaacgaa ggctaggagg cggcgtcaga ggtgctgggt 300
gacagagcca tgagccagcc attttataag cactctgatt tctaaaagtt aaaaaaaata 360
tatgaaatct ctgtagcctt tagttatcag tacagattta ttaaatttcg gcccttaacc 420

cagccttttc cagtgtgtaa cccagtttga 450

<210> 703
<211> 542
<212> DNA
<213> Homo sapiens
<400> 703
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ca 542

<210> 704
<211> 503
<212> DNA
<213> Homo sapiens
<400> 704
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tccatttttac agaagcattt taaatgtagt ttgaatattt tccacaagat gctgcaatgt 480
gagttatcac ttcatttatc tta 503

<210> 705
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (148)..(149)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (151)..(154)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

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ataaatttaa aaatacattc aaaattanna nnnnanacaa gcttaattgt taatattccc 180
taaacacaat tttatgaagg gagaagacat tggtttgttg acaataacag tacatctttt 240
caagttctca gctatttctt ctacctctcc ctatcttaca tttgagtatg gtaacttatg 300
tcatctatgt tgaatgtaag cttataaagc acaaagcata catttcctga ctggtctaga 360
gaactgatgt ttcaatttac ccctctgcta aataaa 396

<210> 706
<211> 49
<212> DNA
<213> Homo sapiens
<400> 706
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<210> 707
<211> 262
<212> DNA
<213> Homo sapiens
<400> 707
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gatgtgcacg atggcaaggt ggtgtccacc cacgagcagg tccttcgcac caagaactga 120
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gatcccctct cctgcccaag cacttcacag ctggaccctg cttcaccctc acccccctcct 240
ggcaatcaat acagcttcat ta 262

<210> 708
<211> 396
<212> DNA
<213> Homo sapiens
<400> 708
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tactgcacaa actgccatct cgcttcattt ttttaactat gcatttgagt acagactaat 180
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aaagtcatac tgttcacttt caagttggct gtcccccccg ccgccccccc ccacccccat 300
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tgtttctgtc ttcaacattt ttgacactgt gctaat 396

<210> 709
<211> 455
<212> DNA
<213> Homo sapiens
<400> 709
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atgtccaaaa cattcatcat tggggagctc catccagatg acagaccaaa gttaaacaag 120
cctccggaaa ctcttatcac tactattgat tctagttcca gttggtggac caactgggtg 180
atccctgcca tctctgcagt ggccgtcgcc ttgatgtatc gcctatacat ggcagaggac 240
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ctctttcttt ttcttccgac attagaaaca aaacaaaaag aactgtcctt tctgcgctca 420
aatttttcga gtgtgccttt ttattcatct acttt 455

<210> 710
<211> 501
<212> DNA
<213> Homo sapiens
<400> 710
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ggacacattg aggactgtgg gcactggaca cagatggaca agccaaccga ggtgaatcag 420
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aacgcagcgt gtgcccacgc t 501

<210> 711
<211> 379
<212> DNA
<213> Homo sapiens
<400> 711
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ctttgaactg ccttgtgttc tgtgagaaac aaatatttac ttagagtgga aggactgatt 120
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actatgagat tcaaattttt ctaacatatg gaaagccttt tgtcctccaa agatgagtac 240
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aactgaataa agcagttgat cagcatcatt ggaacatggg gacgagtgac ggcaggagga 360
ccacgaggaa ataccctca 379

<210> 712
<211> 256
<212> DNA
<213> Homo sapiens
<400> 712
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tgatttaggt agccttgtgt tctgagtaga gcttgtaata aatactgcag cttgagaaaa 120
agtggaagct tctaaatggt gctgcagatt tgatatttgc attgaggaaa tattaatttt 180
ccaatgcaca gttgccacat ttagtcctgt actgtatgga aacactgatt ttgtaaagtt 240
gcctttattt gctgtt 256

<210> 713
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (369)..(370)
<223> n is a, c, g, or t
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taaatttttt ttacattttt tgggcagcaa tttaaatgtt atgactatgt aaactacttc 180
tcttgttagg taatttttt cacctagatt ttttcccaa ttgagaaaaa tatatactaa 240
acaaaatagc aataaaacat aatcactcta tttgaagaaa atatcttgtt ttctgccaat 300
agatttttta aaatgtagtc agcaaaatgg gggtggggaa gcagagcatg tcctagttca 360
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gca 423

<210> 714
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t
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tcaaggcatg actagtattt ctaattagcc taataaattc ccancacttt ctgaagtgaa 180
cactaatggt attgtcctac taaaactgtc attgtttctt ttttntttaa ctggtcagtc 240
attcacaata agctatgagg gtaaataaat atgtgttata acaagntaaa ccgtagttgc 300
aagaatatac catgaagatt aaagtaggct gggtttcatt tccatcnttc ccacacatct 360
cattgaattt gatggttgac ttaattggca ccataact 398

<210> 715
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)..(208)
<223> n is a, c, g, or t
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<210> 716
<211> 559
<212> DNA
<213> Homo sapiens
<400> 716
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catatacaac cccaccgtg 559

<210> 717
<211> 382
<212> DNA
<213> Homo sapiens
<400> 717
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gaaacccagg tgctggacca gggccctcag ggaggggacc ctgcggctag agtgggctag 120
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atttcctcct gaagtgttct gt 382

<210> 718
<211> 486

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t
<220>
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<222> (351)..(351)
<223> n is a, c, g, or t
<220>
<221> misc_feature
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<223> n is a, c, g, or t
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gtgaaa 486

<210> 719
<211> 181
<212> DNA
<213> Homo sapiens
<400> 719
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gttgtttgta tgtataattc aaagcaccaa aataagaaaa gatgtagatt tatttcatca 120
tattatacag accgaactgt tgtataaatt tatttactgc tagtcttaag aactgctttc 180
t 181

<210> 720
<211> 464
<212> DNA
<213> Homo sapiens
<400> 720
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<210> 721
<211> 426
<212> DNA
<213> Homo sapiens
<400> 721
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tgttccaacc actgaatctg gaccccatct gtgaataagc cattctgact catatcccct 180
atttaacagg gtctctagtg ctgtgaaaaa aaaaaaatgc tgaacattgc atataactta 240
tattgtaaga aatactgtac aatgacttta ttgcatctgg gtagctgtaa ggcatgaagg 300
atgccaagaa gtttaaggaa tatgggagaa atagtgtgga aattaagaag aaactaggtc 360
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gcatta 426

<210> 722
<211> 445
<212> DNA
<213> Homo sapiens
<400> 722
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gaaagtctga gaaggcctga gccgtgacct cttctgctta ctgtaactgc ggccggttta 360
gtgaccccat gacttacagc cggttcttac ctcttaggtg aaggagatga catgtttttt 420
agaattgctg tgcaaggctc accct 445

<210> 723
<211> 501
<212> DNA
<213> Homo sapiens
<400> 723
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aaaagtaaaa tatacttcat gctgtttatg ctattagttt ctgtactgct attctatatt 360
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gtttcacaat cagttcttca t 501

<210> 724
<211> 477
<212> DNA
<213> Homo sapiens
<400> 724
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<210> 725
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<211> 317
<212> DNA
<213> Homo sapiens
<400> 727
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aggggaactg gggtcca 317

<210> 728
<211> 496
<212> DNA

<213> Homo sapiens
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caccg 425

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<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 570
<212> DNA
<213> Homo sapiens

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gtatcccacc acgttacaaa ctctgtgtca ttccccgctc atgagtgtgt ggaggacacc 240
ctgaac 246

<210> 735
<211> 358
<212> DNA
<213> Homo sapiens
<400> 735
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<210> 736
<211> 454
<212> DNA
<213> Homo sapiens
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cccttcactg agatgtgttt ctttgttgaa cttt 454

<210> 737
<211> 226
<212> DNA
<213> Homo sapiens
<400> 737
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gcgtgggagg cgggagtgga gtggaagaag agggagagat ggagcaaagt gagggccgag 180
tgagagcgtg ctccagcctg gctcccacag gcagctttaa ccatta 226

<210> 738
<211> 560
<212> DNA
<213> Homo sapiens
<400> 738
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<211> 440
<212> DNA
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<211> 473
<212> DNA
<213> Homo sapiens
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<210> 741
<211> 255
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<211> 555
<212> DNA
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<211> 436
<212> DNA
<213> Homo sapiens
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<211> 505
<212> DNA
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<211> 471
<212> DNA
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<212> DNA
<213> Homo sapiens
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<211> 528
<212> DNA
<213> Homo sapiens
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<212> DNA
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<213> Homo sapiens
<400> 751
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gagctgggac tggaaaggac agcccttgac ctgggttctg ggtataattt gcacttttga 180
gactggtagc taaccatctt atgagtgcca atgtgtcatt tagtaaaact taaatagaaa 240
caaggtcctt caaatgttcc tttggccaaa agctgaaggg agttactgag aaaatagtta 300
acaattactg tcaggtgtca tcactgttca aaaggtaagc acatttagaa ttttgttctt 360
gacagttaac tgactaatct tacttccaca aaatatgtga atttgctgct tctgagaggc 420
a 421

<210> 752
<211> 375
<212> DNA
<213> Homo sapiens
<400> 752
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tttccctttg agtcatgatg acagatggtg tgaaaaccat ctaagtttgc ttttgaccat 120
cacctcccag tagcaatttg ctttcataat ccatttagca atccaggcct ctgttgaaaa 180
gataatatga gggagaaggg aacacatttc cttctgaact tacttcccta agtcactttc 240
cttatgtatc atctaataca atgatggttg agtgaaaata cagaaggggt gtttgagtat 300
tcagatttca taaaacactt ccttggaata tagctgcatt aacttggaaa gaagcctgtt 360
gggccagaag acaga 375

<210> 753
<211> 532
<212> DNA
<213> Homo sapiens
<400> 753
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tcaacaagcc agggctcaag tacaagcctg tctgcaacca ggtggaatgt catccttact 120
tcaaccagag aaaactgctg gatttctgca agtcaaaaga cattgttctg gttgcctata 180
gtgctctggg atcccatcga gaagaaccat gggtggaccc gaactccccg gtgctcttgg 240
aggacccagt cctttgtgcc ttggcaaaaa agcacaagcg aaccccagcc ctgattgccc 300
tgcgctacca gctgcagcgt ggggttgtgg tcctggccaa gagctacaat gagcagcgca 360
tcagacagaa cgtgcaggtg tttgaattcc agttgacttc agaggagatg aaagccatag 420
atggcctaaa cagaaatgtg cgatatttga cccttgatat ttttgctggc ccccctaatt 480
atccattttc tgatgaatat taacatagag ggtgttgcac gacatctagc ag 532

<210> 754
<211> 159
<212> DNA
<213> Homo sapiens
<400> 754
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ttaattttcc catctcaaaa ttatatctgt acctgggtca tccagctcct tcttgggtgt 120
ggggaaatga gttttctttg atagtttctg cctcactca 159

<210> 755
<211> 378
<212> DNA
<213> Homo sapiens
<400> 755
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tgtggcagct ggactatgag tctgagcccc tcaacattac tgtaataaaa gctccgcgtg 120
agaagtactg gctacaattt tttatcccat tgttggtggt gattctgttt gctgtggaca 180
caggattatt tatctcaact cagcagcagg tcacatttct cttgaagatt aagagaacca 240
ggaaaggctt cagacttctg aacccacatc ctaagccaaa ccccaaaaac aactgatata 300
attactcaag aaatatttgc aacattagtt tttttccagc atcagcaatt gctactcaat 360
tgtcaaacac agcttgca 378

<210> 756
<211> 436
<212> DNA
<213> Homo sapiens
<400> 756
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acccaggagg cgctctgccc gcaggtgaca tggtcctggg accagttgcc cagcagagct 120
cttggccccg ctgctgcgcc cacactctcg ccagagtccc cagccggctc gccagccatg 180
atgctgcagc cgggcccgca gctctacgac gtgatggacg cggtcccagc gcggcgctgg 240
aaggagttcg tgcgcacgct ggggctgcgc gaggcagaga tcgaagccgt ggaggtggag 300
atcggccgct tccgagacca gcagtacgag atgctcaagc gctggcgcca gcagcagccc 360
gcgggcctcg gagccgttta cgcggccctg gagcgcatgg ggctggacgg ctgcgtggaa 420
gacttgcgca gccgcc 436

<210> 757
<211> 441
<212> DNA
<213> Homo sapiens
<400> 757
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gttagttttg gggtaatgga aacccacttt ttcattgtaa tgactttggg ggcttttgtt 120
agtaagggtg ggtggggtga tgggttgcag acggaggtca ggtcttcctc tttcctgaga 180
ctggatctgt tcaaacagca aacgcccaca gatggcccag aggtggtggt agtcagggtg 240
tgtgggtgtt tttagggttc tttagtgttg tttctttcac ccaggggtgg tggtcccagc 300
cagtttggtg ctgacggtga gaggaaatta gaatctgttt gcaaattgtc caacccaccc 360
cctcaacatg aggggcttcc attttctgtg ttttgtaagg gaactgtttc cttcatgccg 420
ccatgttcct gatattagtt c 441

<210> 758
<211> 437
<212> DNA
<213> Homo sapiens
<400> 758
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acctttatgg tttcaatccc tagctcaaag cttcctggaa tcttttattt tttgtaaact 120
tttttttctt ttgttaaaat aaataaaaca ttcaatgttt ttctccttttt ctctcttatt 180
acttctttcc tttggcattt tcaatttgaa atgctttcct ttggttgttg gttttattct 240
ccccctaccc ctccccttttt cttattattc agaatataaa cctgcaaagc tctgctctgt 300
tttggttttg aaagtttaag cttttctgct tctgtgagag cacaggcttc tgtccctttt 360
gattccaact gaacttttgt gttctctaat gatactaaca cggtgtaggt tttacagtct 420
cctaatttgt actggta 437

<210> 759
<211> 402
<212> DNA
<213> Homo sapiens
<400> 759
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tccgaaactt ttaactactg ttttgtaagc ctccaagggt ggcattgcag ggtccttagg 120
caatgttttg tttgccttta tgcagagagg tgctccaagt gctgtgattg agcaccgtgc 180
tagaggaact gtaatgcttc agaagttgta gcttatacaa aggaaacagg tcctgctggc 240
ttaatttaaa cagttattgc atgaagtagc gtggaggccc tggactgctg ctcgttcttt 300
aggatggact gttctggtat ctggtattgg tttagagact gttaataagg gacatcacaa 360
ggtgatggga ttcatttgaa gcactctatt tctgttttaa tg 402

<210> 760
<211> 501
<212> DNA
<213> Homo sapiens
<400> 760
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ctgccaacca gatggtaaag tgtgatcccc ggcacggcaa gtacatggcc tgctgcctgc 120
tgtaccgtgg agatgtggtg cccaaggatg tcaacgctgc cattgccgcc atcaagacca 180
agcgcagcat tcagtttgtg gactggtgcc ccacaggctt caaggttggt atcaactacc 240
agcctcccac tgtggtgcct gggggtgacc tggccaaggt gcagcgtgcc gtgtgcatgc 300
tgagcaacac gaccgccatc gccgaggcct gggcccgcct ggaccacaag ttcgacctga 360
tgtatgccaa gagggcgttt gtgcactggt atgtgggtga gggcatggag gagggtgagt 420
tctccgaggc ccgtgaggat atggctgccc tggagaagga ttatgaggag gtgggcatcg 480
actcctatga ggacgaggat g 501

<210> 761
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t
<400> 761
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gatctatttc ttttcaaata atctttgaga tcccaggaaa aaaaaaatgc tctgctccat 120
tgagctataa tgtaaatgtg tttgtttaaa aaacaggtga ggcaagtgag tgatttattg 180
ttcctgagga agtatatctg attttttttc tcatactcca aaagctagtc cctactcttt 240

aataaaaata atgggtaact ttttgttttt cactagcgaa cttccatgac atttcctttc 300
tatgtagtgt gattaatgca atacatatta tagttatcta tacacagtgt aagatttaac 360
aaactgaaat gatccacctc atatgtgagt ccgtccaaaa gatgttactg ctctgggtgg 420
gccagtgttc tatatcggtt a 441

<210> 762
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t
<400> 762
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tagatctcca ggctggtttt tngtttttng ttgttaagac tggggaaagg gggactattt 120
attctgcctt aaatcaatgg caaataagtc aagatgacat tttgtgaatg tagactatgg 180
atacactcct aatagattga tgtagtcata aaagggggtc aagtagatgt ttttctgtta 240
tgtaagcaat aatttttccg tgtcttattg agtatggcta gcgattattt attacatgct 300
agatgggttc tttgcatgtg ggttccatat aggtgcagaa atttcctcag ccactggagg 360
gatttcgacc atatttgtca tttggatgag ctgttattag attgaaatct acacatcatt 420
tcattaaaaa ttgtgcctta gaaaacgcaa agctgttgca catggcgata aattatggat 480
gcagtacatt gaagagagat gaagtcactt ccaagtttcc a 521

<210> 763
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)..(65)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t
<400> 763
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gggnnttggt ctgcactgta gcacctgtgt tctttgagtt cacatcatga atgtnggtga 120
nttcccagat accatctcag gcttaaccta gcacatccta tttcttttct tctatgatat 180
ccaaattgga ctgacctcac ttcaaagttg ctgtcccatt ttgtcaccct atcttatctc 240
ggggaaattg cagactgatg gccagaccaa ctctgttgaa attcttgcat agagcaaacc 300
tgtgctcatt tttaagtggc atgggagagg ccccaagcct agtaaagcct agtctgtgtc 360
ttcacagtgc tggtagaatg tgtttgtgtg tataaatata tgatatagat ttatatatgt 420
tnctaacgcc anatattgaa ggccaacata actggtggac ag 462

<210> 764
<211> 495
<212> DNA
<213> Homo sapiens
<400> 764
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cttaaggaat tatgtgagct taaaactagt caagcagttt agaaccaaag gcctatatta 120
ataaccgcaa ctatgctgaa aagtacaaag tagtacagta tattgttatg tacatatcat 180
tgttaataca gtcctggcat tctgtacata tatgtattac atttctacat ttttaatact 240
cacatgggct tatgcattaa gtttaattgt gataaatttg tgctgttcca gtatatgcaa 300
tacactttaa tgttttattc ttgtacataa aaatgtgcaa tatggagatg tatacagtct 360
ttactatatt aggtttataa acagttttaa gaatttcatc cttttgccaa aatggtggag 420
tatgtaattg gtaaatcata aatcctgtgg tgaatggtgg tgtactttaa agctgtcacc 480
atgttatatt ttctt 495

<210> 765
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t
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ctgacaagac accagcccat angctgctct tccaacagtg ggttctagct ttgaacaaaa 120
gtgctaaaca tttccttgaa tatattcttc ctctttttgt cctcatcact caatactggt 180
gctcttgtca caggtagaac agcttgtttc ttttccatct attcaagtgt gtttctaatt 240
ctaaaatgct gatcttctct ggagtctatg gtaggcaatt atggtcactg gaatagtttg 300
tcttgtttta aaatattatt ggtgcatgta caacagcatc caacatatct gtcttgttcc 360
tagatatata gctctgattt taggcctttt gtgcatacca ttacaatatg gtggggtaag 420
acattctaca gtagcctgtg ctgaactgat ctcttaaa 458

<210> 766
<211> 414

<212> DNA
<213> Homo sapiens
<400> 766
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gtagaacttt tacttgctgg tctggtcttg gttgtaccca tctttggcca gtcacataac 120
tactcaagaa accttcccaa tagagtacaa caggatgaga ctctgaaatc actttcagta 180
ttccctgcta gatattgatt gttatttcaa gtattaagtg taagctttta atggataatt 240
agtataactg tggatggcat ctgattttgt ttttaattct gtggattgtg tttaagcaat 300
tcaatagtat gttcctgatt ttgagatgct aagtggtatt gcacagttgt cactttatca 360
agtgtgtaca acagtcccat gaagtttata gagcataccc ttgtatagct tcag 414

<210> 767
<211> 441
<212> DNA
<213> Homo sapiens
<400> 767
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gctacctttt gtaagtgcca tgtttattat ctaatcattc caagttttgc attgatgtct 120
gactgccact cctttctttc aaggacagtg ttttttgtag taaaatcact ggtttataca 180
aagctttatt taggggggtaa agttaagctg ctaaaacccc atgttggctg ctgctgttga 240
gatactgtgc tttgggagta aaaaaagaaa gttatttctt tgtcttaaag aatttttaaa 300
aaattagtca tgagacttat tcatctttcc agggaacata ctgattggtc ttaaaagact 360
agacagttaa gtaaaaggtg gctggaacat ctatttttct acaaaactgg aaaaatgaac 420
ctggttctag aagaatgtac a 441

<210> 768
<211> 529
<212> DNA
<213> Homo sapiens
<400> 768
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aaatagttta cagatatttt tgaccagttc cttttagaga ttctttcaga gaagaaacca 120
gatctgacct gtttattgtt ggcgcttgtt gaaaacgagc tttctttccc atgatagtgc 180
ttcgtttttg aagtgttgaa gctgtgctcc ccttaaatcg tggcaggaga gattaaggta 240
attacaacac tcagttctat gtcttacaag cactttgtct tgtctctgca agaaaattcg 300
attccagtca tttcccataa aatacagaca ttttaccaac ataatatgct ttgattgatg 360
cagcattatg ctttgggcag tattacaaaa tagctggcga gtgctttctg tatttaaata 420
ttgtaaaaag aaaataagtt ataactgtta taaagcagaa cttttgttgc atttttaaa 480
ctgttgaagt cactgtgtat gtttgtttgg tcaatgtttc cgcagtatt 529

<210> 769
<211> 474
<212> DNA
<213> Homo sapiens
<400> 769
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attaacccta ttaatctatg gattgggtat caaaatgaat gccagtccag atgtgcctag 120
acacgaaatt ggagctgagg actctcacga tatgcaagtt catccaacgt gaagatacca 180
taagcttttt ctctgaacca gagaaatgaa agtcagttta agaggctgat agatcttggc 240
cctgttaagg catccacttc acagttctga aggctgagtc agccccactc cacagttagg 300

ccaagaatta gattttaaaa cttcatctgt ctgtcccagt taactgttaa ataaggcctc 360
atcctccact gaagagtatg gattgaagga ttgtgaacta tgtttagtgt gattgtgaac 420
ttggtgccta atgttccatg tctgaagttt gccccagtgc tacacgttgg agta 474

<210> 770
<211> 536
<212> DNA
<213> Homo sapiens
<400> 770
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cccctccgcc cttcaggaag gatgctcccg tgtgcagggg tctcctgcct gtgccatcca 120
ctggggctcg agacaatttc ccactcacct gtgaggccgg tgtggctgct tcccttgtaa 180
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tgcgtgagtg tgtggcccct gtttattccc ctcctgtcaa gaatgaagtg gattcagttc 480
aggtactttt gagggttgtt gtgctgaccc tgtggttgtc gctgatgtac acacat 536

<210> 771
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t
<400> 771
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ccctgagagc tcacagtaac actgtgtgtg tcaccatata actgcacctc acccccgcac 120
gtgtgcatga ctcgcagaga atattccagc aattgtgtac ccctgggcca gtctctttga 180
accctgaggg tggccaggat ctggagctgc atctctaagg ggccnaggct ttggggacca 240
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atggacactc ccacgaggct cagctctcag gcacccccta cacttcagtt gagggaaaag 420
ctcaagtgcc ttaggcccgt ggaccacagt cttggctgag atcaaaggga tgagcaacag 480
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tttcttgta 549

<210> 772
<211> 443
<212> DNA
<213> Homo sapiens
<400> 772
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aaaggacaag atcaattctt ttctagtcag ttctaagact gctagagaga gataccaggc 120
ccttagcctt gctctcagta gcgtcagccc cagttctgag cctccccaca ttacacttaa 180
caagcagtaa aggagtgagc actttgggtc cttagactca tgtctgggga ggaagagcaa 240
gtagaaaagt ggcattttct tgattggaaa gggggaagga tcttattgca cttgggctgt 300

tcagaatgta gaaaggacat atttgaggaa gtatctattt gagcactgat ttactctgta 360
aaaagcaaaa tctctctgtc ctaaactaat ggaagcgatt ctcccatgct catgtgtaat 420
ggttttaacg ttactcactg gag 443

<210> 773
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t
<400> 773
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ggacacgtat ctctgtctga cggaaaacag acctcggggc tggcgtaaac cctgctgcca 120
ggccctctcc ccactgcccc aaaccggcct agacacgaag accaaagcag cctgcacagg 180
gcaaggcccc cngcngaatc ctgcagagca aactcaggtt ancttgggtc catgaccgtt 240
tgcattcgaa acacaataca ctgcctcgtt ctctcagtta gcagctgggc agcagcgcac 300
cattcatcat ttaggcttgt ggtttgttgt ttactctacc aatgttatgt ngaaactgca 360
ttgtaaaaag agaagaaaat ggcaggtttt ccaggtccac ggaaaggttt ggcctgacgc 420
tggagtgcgg tgatgaactt acgtgacaat gattgtattc ctcagtagca cttta 475

<210> 774
<211> 504
<212> DNA
<213> Homo sapiens
<400> 774
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ttccagagac ctgtccataa tacccaacag aacatgactg tttctttgag gaaagggtta 120
taatgtctgt ggtgtacaag tcgtttttgg tataacttct ttcctgctgc tgctgcttcc 180
cggcaaacat agttttccta tttcaggcag agtgcggtat attccaggaa acactgtttc 240
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tgggtgacaa tgcacacatg ctgggcaaaa gggtgatggc cagtggctgg cagctgggcc 360
agcagaagct aggacatctg tgagttgtca ttctcatcta tccatgtcca ctggcctgcc 420
agcatccgcc agtgccttgc cagtgtgcac ggtcccacac tgtggcccct gagtccccta 480
atgtacacgc tgcagccaga atgc 504

<210> 775
<211> 417
<212> DNA
<213> Homo sapiens
<400> 775
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tggcattttg tcctcatggg ccataaatac agaaccttgt attttaatta aatttttta 120
caaaaggagg cacatgcaca atctccatgt aacaaacctt tagcagtagg atgtattata 180
cgacagttac ttaatttcta gagttcaggc ctctgggatc aaccccagac tgggccagaa 240
tgttagtgaa ggttttattg tgcccggttg gaggataacg ttctttgggt acttttttgtg 300
ggttgcaaat gaactcaatt gccacaagtt ttaaactggt gtaaatcaag cttgacttaa 360
tgtgattgtt actgttatat ccagcctata ctgctagcag ctgctcatac tgcagtc 417

<210> 776
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t
<400> 776
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gcatgataca gtaccaggaa caacaggtgg cctaaataca tgaaaagcag tgtaagctag 120
tgacactaaa gccagtcttg tattactgta tttttgacag aatggttttg aaaactgtgc 180
tacagggact gatgtggcaa atatatctct ttatgcagaa ggaagtcttt ttttttcntt 240
ttttttttt taagaagtat ggctttttat gcatccttca tcgagggcat tgaagttgca 300
tgga 304

<210> 777
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t
<400> 777
gccattcccc aggctatgaa gtgacatagg cctccccccac ggtgcctgtg tacggagcct 60
gatgacttca ctgggagcct tctggaatcc tgcagagggt caaggagcag ggatgttgga 120
tgcccacctg tcaagagttc agatcaaagt tgcgctgaga gcntcacaat tttggttcag 180
ccttgacgcg tttgtccaac agctcattgg ctccctttgt atgatatcgt ggtcttctca 240
catggtgccc agtcaccaat atttataatg aggtctaact acagcagtag tttttcatat 300
atatctctaa aacattttgt tatattgaaa aaagtaatag aaatcaagat gtgttgatga 360
aataaaatgt gtatctgagt gagaaaacaa gtatggtgag gtcactttaa tgtttcacag 420
cgatctcaga tctaggcctc aggtagaatg gaagctgttc tgcattcact gattaacgtt 480
gctaaactct tggtgaggca cgagctacca gccaattgct cttcatcaca gctatctgtc 540
ttttagtgcc acaa 554

<210> 778
<211> 147
<212> DNA
<213> Homo sapiens
<400> 778
gacaggaggg tgtccacata tgttaacatc agttggatct cctatagaag tttctgctgc 60
tctctttcct tctccctgag ctggtaactg caatgccaac ttcctgggcc tttctgacta 120
gtatcacact tctaataaaa tccacaa 147

<210> 779
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (175)..(177)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (179)..(181)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (429)..(430)
<223> n is a, c, g, or t
<400> 779
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aggagactgg gaggtgaaat ggggaaatgg aagggtttgg aggcagagct gaaaacaggg 120
ttggaaggat ttcctgaatt agaagacaaa cgttagcata cccagtaagg aaaannngnn 180
naggggccan ggggaacccg tgaggatcac tctcaaatga gattaaaaac aaggaagcag 240
agaatggtca gagaatggga ttcagattgg gaacttgtgg ggatgagagt gaccaggttg 300
aactgggaag tggaaaaagg agtttgagtc actggcacct agaagcctgc ccacgattcc 360
taggaaggct ggcagacacc ctggaaccct ggggagctac tggcaaactc tcctggattg 420
gnnctnatnn ttttggtggg aaaggctgcc ctggggatca actttccttc tgtgtgtggc 480
tcaggagttc ttctgcagag atggcgctat ctttcctcct cctgtgatgt cctgctccca 540
accatttgta ctcttcatta 560

<210> 780
<211> 559
<212> DNA
<213> Homo sapiens

<220>
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<222> (36)..(36)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t
<400> 780
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gaattaacag caactttcca caggtaaatc tgttcttgca aagatgtgag cagaatagtt 120
aaaaataata tttttatgtt tcatggttct aaatggaagc cataaatgca gtaaatacta 180
tctgttgttt aactacttta atcgtcattt tttacatttt caagtttatt aggttaagaa 240
aaacagggca gccttggaag gcagctacta cagaaaactg cagttttgcg ttaaagataa 300
agtagtattt tcagctccct gaaaaaccat tcctgctgaa actgctgtag aaattgtgaa 360
gctgcatgag tggagagtat tgaatctgtg gttatagtag ttttctcagg tttgtttatc 420
ttgatgtttg atgcactgtg ttttatagtt attaaaattg agtaatatta tttctatgca 480
gtgttatgtg tcattggcct tttgtgaatg tgcatgtttt aaactgcaaa ttttaaacat 540
tttgtcctct aattgttat 559

<210> 781
<211> 507
<212> DNA
<213> Homo sapiens
<400> 781
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ctgttttgat ttttttaaa aaacaaaccc ttttagtcac tttaatcaga attttaaatg 120
ttcatgttac ataccaaatt ataatatcta atggagcaat ttgtcttttg ctatattctc 180
caagattatc tcttaagacc atatgccccc tgttttaatg tttcttacat cttgttttta 240
ctcatttctg actggacaaa gttcttccaa acaattctga gaaacaaaaa cacacacgca 300
gaattaacaa ttcttttccc tgtgcttctt atgtaagaat cctcctgtgg cctctgcttg 360
tacagaactg ggaaacaaca cttggttagt ctcttttaag ttacaaaaag ccaattgatg 420
tttcttattc tttttaaatt ttaaatattt tgttataaat actcacagga taccttattt 480
ccctagctat catctcctga cttaatg 507

<210> 782
<211> 480
<212> DNA
<213> Homo sapiens
<400> 782

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tgatggtgat agtgatgggg tgcactatca taatcacatc aggtctgctt tttgctttta 120
atgttaacta atgaagttcc agagatgggc cttagaaatg tgttttaaga attaacaagg 180
agtctcaaaa agaaatgaga gggatgcttc ctttcccttg catctacaaa acaagagaga 240
gactgttctg ttgtaaaact ctttcaaaaa ttctgatatg gtaaggtact tgagaccctt 300
caccagaatg tcaatctttt tttctgtgta acatggaaac ttgtgtgacc attagcattg 360
ttatcagctt gtactggtct cataactctg gttttggaag aataatttgg aaattgttgc 420
tgtgttctgt gaaaataacc tccccaaaat aattagtaac tggttgttct acttggtaat 480

<210> 783
<211> 341
<212> DNA
<213> Homo sapiens
<400> 783
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cccccgcctt tcgggtttcc agggcttcga gcttgatctt ttgaaagttt tattctatta 120
aatttttgct atatcttctg gttttctgaa aaagctttag aatggtttct ataccctttg 180
tatcactgca tttttccata tcatctccgg ttcgatcgcg tccagatgga aaacggaagc 240
agaggcttct aatcgtcgca tttactggct ccagtgcaac acatccatct gaaaacactc 300
ggaagtctgg tgcttggaga gggtgccatt gtctcttgta c 341

<210> 784
<211> 490
<212> DNA
<213> Homo sapiens
<400> 784
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aaaaaaagag gtttaagttt gttgtggcca atgtcgaaac ctacaagatt tccttaaaat 120
ctctaataga ggcattactt gctttcaatt gacaaatgat gccctctgac tagtagattt 180
ctatgatcct tttttgtcat tttatgaata tcattgattt tataattggt gctatttgaa 240
gaaaaaaatg tacatttatt catagataga taagtatcag gtctgacccc agtggaaaac 300
aaagccaaac aaaactgaac cacaaaaaaa aaggctggtg ttcaccaaaa ccaaacttgt 360
tcatttagat aatttgaaaa agttccatag aaaaggcgtg cagtactaag ggaacaatcc 420
atgtgattaa tgttttcatt atgttcatgt aagaagcccc ttatttttag ccataatttt 480
gcatactgaa 490

<210> 785
<211> 398
<212> DNA
<213> Homo sapiens
<400> 785
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ggctggggac aagttcactt aaaaaggcaa tgttatttaa caggtcacca gttaagactt 120
ctgctttgta gatacatgca gaagccatca aacaaggggg agcttttaac tgcaacaata 180
agctaaagta tgtaaaatac tacattctat tcagtcttgg agtgttttgt agaaagttat 240
cttcagccaa atctttgctg aagactggtt gtggagtgtt ggtaaatgct ttgtgttttt 300
atgtaaaata ttttctaaac aaaaaatgtt aaaagtacat gtcctctgta gtaaactgat 360
atctatatat atgaatcatt caagcctaaa gtctagta 398

<210> 786

<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (189)..(190)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t
<400> 786
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ggggcagcgg ctctgtcctg tgccttacca gccctgggga gggggncatt tggctggaag 120
actggaattt aattgccatc gtctttgatt ttgtgacatt tctgcttgga agtgtgaact 180
acccncccnn cccccngctt cctgctcctt agcatgcgtg cagctctctc ctgttttggg 240
tgttnccctt ggacactcca gctcggggac tgctggcgtg tgantgtgca gattcccctg 300
tgtggtcgaa cctaagaact gtggcttgga agtgatgctc catgtgacga cgactttgct 360
ttctttcctc ttagtgagga ggtgattcgt agatcccaac tgcctatgta atgtaaataa 420
tgtacattta atttattgct atggtagcac attgtatttg ttaatgtaca aaacaaattc 480
taaaaggttg acaaatgtat attttgttgc ttaaatgtgt ctttgcag 528

<210> 787
<211> 543
<212> DNA
<213> Homo sapiens
<400> 787
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attgtattga atagtttaca tagtttattc tagtctttga aaattactga acatggacaa 120
tgtgcatgtc attgacatct gccttagaac ttctgggaca atcctgattc gagagattct 180
atcccattat ttacatatac caaaaatact ttgttaattt aatgtgttgg cttcccaact 240
cctgaacacg acacaatttt attattagat tttgtatggt gattttaggc tatgaaaaca 300
tgatcattat atgtatatag atacattttt atttgttaca aatgtttgag cagctcacta 360

gcccacccct cctctatttt gggtaagaga atttactacc ttttttaact atgtagttga 420
gagcaacatg tattttgtta tttttagaat ggtcagtata ttgctataaa attttaaatg 480
agactatgaa agttaaagta ttctgattct ggttaaatta acgaatatgg ttccaggccc 540
tgt 543

<210> 788
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)..(34)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (36)..(47)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (51)..(53)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (55)..(56)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (66)..(74)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (76)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t
<400> 788
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ncnagnnnnn nnnnannnnn ccaanatact aacaaaacca gagtaatcaa gacaattatt 120
gaagaggtgg cgcccgacgg tagagttctt tcatctatgg ttgaatcaga aaccaagaaa 180
cactactatt aaactgcatc aagagganag agtctccctt cacacagacc attatttaca 240
gatgcatgga aaacaaagtc tccaagaaaa cacttctgtc ttgatggtct atggaaatag 300
accttgaaaa taaggtgtct acaaggtgtt ttgtggtttc tgtatttctt cttttcactt 360
taccagaaag tgttctttaa tggaaagaaa aacaactttc tgttctcatt tactaatgaa 420
tttcaataaa ctttcttact gatg 444

<210> 789
<211> 548
<212> DNA
<213> Homo sapiens
<400> 789
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aattgaagga ctggatagaa aacctagaag tagaccgcct tcaaagagaa attcagtata 120
ttttcccaaa tgcaagccgt caggaaagtt tttcttctat tttggcttat aaaattccta 180
aggaagatgt tcagtccctt tcacaatctt tttttaagct ggaagaagct aaacatgctt 240
ttgccattga agaatatagc ttttctcaag caacattgga acaggttttt gtagaactca 300
ctaaagaaca agaggaggaa gataatagtt gtggaacttt aaacagcaca ctttggtggg 360
aacgaacaca agaagataga gtagtatttt gaatttgtat tgttcggtct gcttactggg 420
acttctttct ttttcactta attttaactt tggtttaaaa agtttttat tggaatggta 480
actggagaac caagaacgca cttgaaattt ttctaagctc cttaattgaa atgctgtggt 540
tgtgtgtt 548

<210> 790
<211> 196
<212> DNA
<213> Homo sapiens
<400> 790
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catggactct actgttcagc tttaatttat aaaacatatc acacatttaa tgttatacag 120
tatttacata tagtggaaca tagggataac tcagttttat gtaaattttt gttaagtgtt 180
gtagcctgcc cagagt 196

<210> 791
<211> 542
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t
<400> 791
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gggaggccta gggtgggcat gaaagcttgg gaagcactgt cgtctctcag acaggcgtcc 120
taaagacctc taggctggaa gcttgggctt gcaagtggat ccgggaccga gggtggtctc 180
ttggacaacc ccaggaactt ggaccaangc agagccaatc ttgcaaactg gccatggatg 240
gggaagtgcc cggtagccag catgagccac actaggaaag aggaggaggg tgcagccaaa 300
cttaaggcac cggcaagtgt tgtcagcact ggaggagacc ccgccagtgg ggtgaggcca 360
gccaagtccc tgtgttacga atggtgggcc aaggggctgt ctgctcggtc ccagtaggac 420
aggcagagct ccaggctggc accatggtag gcctccaggg naagagctgg gaggcaggaa 480
tggcacactg ggcaggcttg cccattcctg gccctgagaa tggagctgta gcctcatgga 540
ca 542

<210> 792
<211> 522
<212> DNA
<213> Homo sapiens
<400> 792
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gtcacgcctt gtgtttttac tactttattc agcaggatta aacctgaata acttttggct 120
gttgtgctaa tagtgtaaat aaaataagcc tgccttcata aaacactaac ttttaaaagg 180
aataaacgac ttctaaaatt atgcctatta acatgtgtaa ttagtcggca gctcaaatgt 240
ttgggagtgc aagaaattag gcaccccagg atataggtca tacagggata tataaaagcc 300
atgctcatta caaaatgagc agttgatgtt ttatgtggca ttaagacaat caagtcctca 360
caactctgga atgtcttctt atactgatgc tgaatttatg aatccaaatt aatttccaac 420
aggttggaat cagatttaat gtgagatcat gatagacaag accacagagg acgtatgctc 480
tatttcttgt tggccaacag cttctttcta atgttctgtg aa 522

<210> 793
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t
<400> 793
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acagcactta taatgatgtc actacatata gaagctcaaa gttaagggat ttgctgaaga 120
ctgtaaagtt aatggaagaa ttgagacaaa aatccagtgt agctggccac ttatccaggg 180
ctttttctac ttcatcacaa ggaatgtttt gaaagtgtct gctttttta tccttaaaat 240
tcacctgtca gggaggcatt aaaaatttgg aaatgtatgc cagcaaaatg tgagctctgt 300
atttttggc attcttatgt ttgggtttaa taagattaag aaaatgatac tgggaatttt 360

cttttttcctg aaactttgaa tcaccctagt aagtcaaagt actaaaaaat gtactagatc 420
attaagactt atgtgctctt actgattgaa 450

<210> 794
<211> 544
<212> DNA
<213> Homo sapiens
<400> 794
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cccagtacga ctccttccac gtagactcgg ctgcggagta ctaccgcctc cacttggagg 120
gctaccacgg caccgcaggg gactccatga gctaccacag cggcagtgtc ttctctgccc 180
gtgatcggga ccccaacagc ttgctcatct cctgcgctgt ctcctaccga ggggcctggt 240
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agggagtgag ctggtaccac tggaagggct tcgagttctc ggtgcccttc acggaaatga 360
agctgagacc aagaaacttt cgctccccag cgggggggagg ctgagctgct gcccacctct 420
ctcgcacccc agtatgactg ccgagcactg aggggtcgcc ccgagagaag agccagggtc 480
cttcaccacc cagccgctgg aggaagcctt ctctgccagc gatctcgcag cactgtgttt 540
acag 544

<210> 795
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t
<400> 795
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agcagccatg agtgatcttc ctttgaaaga gaatgaaaga ccctgtgaca tttcacttca 120
aaaataagcc ctgtagctct ttacggtcgc atagtatnaa attataccct gcatgctgac 180
cctcgcttgg aatggaatgc cagaaatgca tggcagcagc taataagtaa agctgattaa 240
ctatttattt gtcaatgtta ttatttaatg agctttcaca tgtgatttgt ttcaaaactt 300
taatttttta atgttttgaa acttttttcat ggacctaaat attttcctat atgatttgtg 360
gttgattaga aatatgaaat acatgttgta gatatgtaaa atgaatattt tagtctcctt 420
attacatata tgttcatggt gaactttatc aatagtatgg atctttttaa atcaataaga 480
tgctttgtaa agttgaaata agtaatactt tcttgtttaa tctgtgcaat cagaaggtgt 540
cttgaccttc aattcaat 558

<210> 796
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t
<400> 796

gcacacagag atttgagaac cattgttctg aatgctgctt ccatttgaca aagtgccgtg 60
ataatttttg aaaagagaag caaacaatgg tgtctctttt atgttcagct tataatgaaa 120
tctgtttgtt gacttattag gactttgaat tatttcttta ttaaccctct gagttttngt 180
atgtattatt attaaagaaa aatgcaatca ggattttaaa catgtaaata caaattttgt 240
ataacttttg atgacttcag tgaaattttc aggtagtctg agtaatagat tgttttgcca 300
cttagaatag catttgccac ttagtatttt aaaaaataat tgttggagta tttattgtca 360
gttttgttca cttgttatct aatacaaaat tataaagcct tcagagggtt tggaccacat 420
ctctttggaa a 431

<210> 797
<211> 358
<212> DNA
<213> Homo sapiens
<400> 797
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gcctgatgtg ccccgcctgc actgcgagct tcagggacaa atgcatgggg cccatgaccc 120
actgtactgg aaaggaaaac cactgcgtct ccttatctgg acacgtgcag gctggtattt 180
tcaaacccag atttgctatg cggggctgtg ctacagagag tatgtgcttt accaagcctg 240
gtgctgaagt acccacaggc accaatgtcc tcttcctcca tcatatagag tgcactcact 300
ccccctgaaa agctatctga acagaggaag ataatgtagt gtgaagtccc catttgtc 358

<210> 798
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)..(62)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (64)..(76)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (78)..(81)
<223> n is a, c, g, or t
<400> 798
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nngnnnnnnn nnnnnncnnn nttgtaaaat acggatcatt tgtattttgg ggtgataaaa 120
tagttcacca tgggtatgag atatttattc tttaaatcaa agtaaattag aatttttaaa 180
aagcacaaaa ctgcaggaca gtttatgaaa taggtggcac tattagggaa tcttccttta 240
aagcaagaaa tcatgttatt tagaaagaaa aactaatctt aaacatacta tttctaataa 300
atatttatat ttttatgaaa taaagaggta tgtggaaatt aatatttggt gatgttggac 360
agtggaaaag tatctagagt ttttacctgc cttatctgaa ttcttcttga aacttgagct 420
taaactctaa tagctgtttc cctttctatt ctgaacaact gtctccattt ttcaa 475

<210> 799
<211> 519

<212> DNA
<213> Homo sapiens
<400> 799
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gtggccaaag gattttgtag tgccaatggg atcacagtct cagcagacca gaagtatgtc 180
tatgtagctg atgtagcagc taagaacatt cacataatgg aaaaacatga taactgggat 240
ttaactcaac tgaaggtgat acagttgggc accttagtgg ataacctgac tgtcgatcct 300
gccacaggag acattttggc aggatgccat cctaatccta tgaagctact gaactataac 360
cctgaggacc ctccaggatc agaagtactt cgcatccaga atgttttgtc tgagaagccc 420
agggtgagca ccgtgtatgc caacaatggc tctgtgcttc agggcacctc tgtggcttct 480
gtgtaccatg ggaaaattct cataggcacc gtatttcac 519

<210> 800
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t
<400> 800
ctccagcgac ccaatggcgt gtaactcgcc gcagtctcca gcggtgtggg agccccaggg 60
ctcgtcccgc tcgctcagcc accaccctca tgcccaccct ccgacctcca accagtcccc 120
agcgtccagc tacctggaga actctgcatc ctggtacaca agtgcagcca gctcaatcaa 180
ttcccacctg ccgccgccgg gctccttaca gcacccgctg gcgctggcct ccgggacact 240
ctattagatg ggctgctctc tcttactctc ttttttggga ctactgtgtt ttgctgttct 300
agaaaatcat aaagaaagga attcatatgg ggaagttcgg aaaactgaaa aagattcatg 360
tgtaaagctt ttttttgcat gtaagttatt gcatttcaaa agacccccccc nttttttttac 420
agaggacttt ttttgcgcaa ctgtggacac tttcaatggt gccttg 466

<210> 801
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (148)..(149)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (191)..(194)
<223> n is a, c, g, or t
<220>

<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t
<400> 801
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agtttttaaa aataactatt ttgttataga tcataatatg cataaaactg tacagaaata 120
ttttgtaatg tgttgatttt aaaaaaanna tctgtaaata aagttttaaa aaaagaattc 180
aaatggcana nnnngaaata tgtagatatt ttgctattta tttaaaggag tattttaaga 240
gatattgaac tatctgaaat tgaccagtaa tcaaagttcc aatcatctga atgcttttcc 300
ttgaggtaga atgtgagtct cagaaatgac tgcattacnt gccctttttt gcacctttc 360
tgtctttta ttttgcagaa caacaacaac aacaaaatng tgccttagct gtatttttt 420
gtctagggga gtttgtttct gtctgacaaa gcaacatttt ttgcagaaaa cagtggatgt 480
attaaatact gtatcatacc aaaaacactg caggtgtata tagatgcttt ctgtcatact 540
gtgttttca 549

<210> 802
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (106)..(108)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (125)..(126)
<223> n is a, c, g, or t
<220>
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<222> (222)..(222)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (225)..(228)
<223> n is a, c, g, or t
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agatggcaat atataataat cattttaaaa gtatttgatt naaccnnnta attttccaga 120
aatgnnaaaa aaaaaaatca gctctaaaac caaagctgat ttcagaaaat ttgaaaatgt 180
aaatcagccc tatccataat atagtttctc taaaacttta tnttnnnnag tcattttaaa 240
ataatataac tattaaaaaa tgtaactgct atcttaatgt tctgaaataa tttaaaacat 300

tttaaaatat gaatactgta gtataaaaga aagaaatggt gggaacgaaa agcagagaaa 360
gaaatgccaa ttccagtcca aagttttatt tgccaagttt tcttagaatg aattttacca 420
gtttatgaat tattgtaaac agaatgtgtc atggaaatac tgaaagattt ttccctagag 480
tggccttatt gactgctggt gtgatgccac tgtaa 515

<210> 803
<211> 197
<212> DNA
<213> Homo sapiens
<400> 803
tcagctttac cctctgaact tctgatcgaa ggtcatccct ctccagcttg agtggatcaa 60
agatgacaag ggccaatgga accaagtttg agtcttgcca ggtcaatact tgggtcctga 120
gtatggtgac tagtatctgt tttgttatgt gtgtattatt ccagccagaa tgggaaatgc 180
taattcagct cctccag 197

<210> 804
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t
<400> 804
ggaattcttg ttcaatactg gcaggagtga aaattggtag aacctttnta gaaggcaatt 60
tggcaacatg tatgaaaacc taaatgttga tacaccttta cccagcagtt tgtttaggaa 120
tttatcctaa tgaataaaag ttgtccaagt cttcaaacat gagcccaaag gtatatttca 180
tgatgtttat gatattaaaa cattggaaac anctgaaaca tccttcagta aaagatggat 240
taaataaatt ccatgcagtt gtcatttaaa aatatttaga tatatgttta ttgctatgga 300
tatatgttcc caaaatatta ttgaatcaaa aagtagacta caggatatat gttgaatatg 360
agctcattta taacattgaa tattttaaga taatgtatgt ttcatagaga gatcttcacc 420
aaatgttaag gatttttttt tctgggctgt ggtatttggg tgatctttac attcttcaga 480
ctc 483

<210> 805
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t
<220>
<221> misc_feature

<222> (260)..(261)
<223> n is a, c, g, or t
<400> 805
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gccaaccttc agaaagcagt gaagcaattc catgagtaat gctatcgtta cttcttggca 120
aagaactccc gtgactcatc gaggagctcc agctgttggg acaccaagga gcctgggagc 180
acgcagaggc ctgtgttcac tctttggaac aagctgatgg actncgcatc tctgagaatg 240
ccaaccagag gcggcagccn ncccttcctg cctcctgccc cactcagggt tggcgtgtga 300
tgagccattc atgtgttcca aactccatct gcctgttacc caaacacgcc tctcctggca 360
gggtagaccc aggcctctaa ccatctgaca gagactcggc ctggacacca tgcgatgcac 420
tctggcacca aggctttatg tgcccatcac tctcagagac cacgtttccc tgactgtcat 480
agagaatcat catcgccact gaaaacca 508

<210> 806
<211> 494
<212> DNA
<213> Homo sapiens
<400> 806
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gcccggacgg cctacacgcg ctaccagacc ctggagctgg agaaggagtt ccacttcaac 120
cgttacctga cccgcagaag gaggattgaa atagcacatg ctctttgcct ctccgagaga 180
caaattaaaa tctggttcca aaaccggaga atgaagtgga aaaaagataa taagctgaaa 240
agcatgagca tggccgcggc aggaggggcc ttccgtccct gagtatctga gcgtttaaag 300
tactgagcag tattagcgga tcccgcgtag tgtcagtact aaggtgactt tctgaaactc 360
ccttgtgttc cttctgtgaa gaagccctgt tctcgttgcc ctaattcatc ttttaatcat 420
gagcctgttt attgccatta tagcgcctgt ataagtagat ctgctttctg ttcatctctt 480
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<210> 807
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t
<220>

<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t
<400> 807
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cctccacaga acgangccac ggnattccgt tatcttcctc cagttttgtt ccttctccag 120
ncctcagttc caccaggtgt caggactgca tgggggcctg gggcaggcag aggagtcagg 180
ccagggtccc tgacggagca gcactcagca tgtgagtgag gccacagaaa aactctgccc 240
cactgcttct tacctcacgg gggtggcttt cagggattct ttagcgcagc agattaaaat 300
cttgccacag tcgagaaatt gacaacaagc ttccatgctg tacatggttc tctttttctc 360
tcttttattt ttaaaaagaa aacccagaaa gatgtaccag atttgtgtaa atgagggtat 420
gccagaaggt ggccagtttt gctttatgat cttatgaagg aagatttgtg accctacgta 480
tatatataca cacacataca tatatatata tatcccgaac caacaacggg act 533

<210> 808
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (180)..(181)
<223> n is a, c, g, or t
<400> 808
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tttagttgta ggtcgcagcg gggaaatttt ttgcgactgt acacatagct gcagcattaa 120
aaacttaaaa aaattgttaa aaaaanaaaa aaagggaaaa catttcaaaa aaaaaaaaan 180
ngataaacag ttacaccttg ttttcaatgt gtggctgagt gcctcgattt tttcatgttt 240
ttggtgtatt tctgatttgt agaagtgtcc aaacaggttg tgtgctggag ttccttcaag 300
acaaaaacaa acccagcttg gtcaaggcca ttacctgttt cccatctgta gttattcg 358

<210> 809
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t
<400> 809
agaacctgtc gtaccagcat catgagctgg atgcaggagc ccatggctga aaggagttaa 60

aacgcccagt ggtcattaag tgaaacatct tttatcaacc tgcaaaagct gcagcgttct 120
ctgccaggtc aaatgggcat gtttagaaaa taagagaaga tggctgagta tagctaatga 180
ataaatggtt gtttctttag aaaattaaac acacacagag tgtaagagga gaggatacgg 240
ccctccctga aggataaagt ccnnctggac ggtgccctgc cctcgcttct cacattaact 300
gcccaggaat gtcatgctga ttggttcccg gaagggtgtt tggcaagggg cagtgtatgg 360
agctacgtgt agaaggagag aaatttgtgt gtggcttttg taaattttga ccgattgcag 420
caat 424

<210> 810
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t
<400> 810
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tccaactgct actaacaaag gtttggttgg tgataagcta ataacagcta ctttgtgtag 120
gaggtaaata tgtgtactgg agggggtaaa aatccattta ggttatggca aagatgggaa 180
tcaaactgta aaactcatag ccccataaaa ttaatattct ttgttaagtg ccagagggtt 240
taagagaact tcttgcttag agtttattga taataataat gcttcagaat atcccattta 300
aatgtacagt gtaaatatgt aaaatatttt acnttcccag gcaagtttgt ggctgtattn 360
ccacttagtg gctctttgtg actggcagtt ctgtatatct gaaacaaata agctgtaagc 420
acttttgtta aaactttgtc aaataatcct tttatgtact tgttctcaga cctgttct 478

<210> 811
<211> 529
<212> DNA
<213> Homo sapiens
<400> 811
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ctcttccttc ccaactcttc cttgaaagag aaaaaaatac tttgccttct tgctctcctt 120
atcaaatgtt tttgtacaaa tagtgtaagc ctgtttaagc aaaccaatta aaataggcac 180
tgattatttt gatctgtttg taacaaatga atgtaagtac tatttacatg gtgtgcctag 240
gaggagctga aatcattggc actttaatcc atattgtaaa gatcagtatc aaaagcatag 300
tgttcttcac ctctcctcct cagcatccat ctctatatac ttgattaaat ggaaaagtct 360
cttttatcac ctctatgtaa agttttatgg gtagttatcg tcagtgtatt taaatatatc 420
ttctagtatg ttttaaaggc tggtcttcaa tactgtggag acaaaaaata aaagagcgta 480
tgaaaagtac gttagacttt tgctggcatt caagtcatgg ctagtctgt 529

<210> 812
<211> 554
<212> DNA
<213> Homo sapiens

<400> 812
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agggtatatc tatacaatgg gatactacac agctgtagaa aggactgcga actatttttg 120
tagttctggt ctggagaaat ctccagaata taggaaatga aaaatgtaaa gcacagaaga 180
gaatgtatgg tgtgctgtct gttgtataac gaagagacaa atggaaaaaa tatgtatttg 240
ctttttttgt aaagcaatag aagaattagt tataccaata actaataaaa tgatctcctt 300
gttagtggtg gtagggagct agacaaggat ggcaactatt tctgtatctt acataccttt 360
tattttgagg ccctgtcaat gttttatata ataaacattt tttgaaaagg caactcttaa 420
aactaaaaca aacttaacag tctgtcaagt tggtgatata accccacaga agacttactt 480
caagtgactt gaaaacttag tattttgtct gtactttgct aatggaatat atcctacaga 540
ccaaacaacc acaa 554

<210> 813
<211> 533
<212> DNA
<213> Homo sapiens
<400> 813
ctggcctttg gtgaccactg agaaggacac ttcacgggcc cagagctcct ggtactgccc 60
ttcctttgag ggccgtggag ggctgtggac agcccagcaa cctgtcgctc ttggaggctg 120
gtgtggcctt gaggagggaa gcctcgcatg gccgctggaa gagaggcgcc tcctggcctg 180
gctctgcaga acccaggggc acgctctggg cctgggctga ggaagtcccg ctctccccgc 240
ggctctgagt tggactgagg acaggtgtgg gcgccagtgt gggtgcaggc gcaggtgcag 300
gcacagggcc actgtcctcc aggcaggctt tttggtgcta ggccctggga ctggaagtcg 360
cccagcccgt atttatgtaa aggtatttat gggccactgc acatgcccgc tgcagccctg 420
ggatcagctg gaagctgcct gtcatctcct gcccaatccc cagaaaccct gattcaggtc 480
tgcaggctcc tgcgggctca ccaggctgct ggctccggta ccatgtaaac cta 533

<210> 814
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t
<400> 814
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ccctgtttat tccaantgcc atcagatgtg tgcaatgtgg caaactgaag ctgcacagtg 120
ttggtttcct tgtattctga ggatgttaaa gactttgtta aatggttatc caattgctct 180
ttcacaggta gcctattaaa ctattttaat atgtttttt aaacctcata aaaatctagc 240
acactcttct cttgagcagt tagcagacct aaagcaagcc tgaattggct atgcagtaca 300
ttgtattctg tttgggggaa tttgttttag ccattttctt taattaccag ttttccagaa 360
cactcttagc tatgttgaca tgaggcagtt ccttccaggt gattctgttt ccttaagtat 420
tatataaact gtgccaatac agacaaagca taatcaatat aatctgaatt attgttatct 480
ttacctcctg agt 493

<210> 815
<211> 295
<212> DNA

<213> Homo sapiens
<400> 815
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aatggctaag aatgggtaac atgactcttg ttggattgtt atttttgtt tgcaatgggg 120
aatttataag aagcatcaag tctctttctt accaaagtct tgttaggtgg tttatagttc 180
ttttggctaa caaatcattt tggaaataaa gatttttac tacaaaaatg aaatttgttt 240
ggacttccac ttgagacagt aaagagagta ttagacaccc agtaaaaact gccat 295

<210> 816
<211> 422
<212> DNA
<213> Homo sapiens
<400> 816
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ggttgcttct tggcctcaga ggaccccagg ggatgtttgg aaatagcctc tctacccttc 120
tggagcatgg tttacaaaag ccagctgact tctggaattg tctatggagg acagtttggg 180
tgtaggttac tgatgtctca actgaatagc ttgtgtttta taagctgctg ttggctatta 240
tgctgggggga gtctttttt tttatattgt atttttgtat gccttttgca aagtggtgtt 300
aactgttttt gtacaaggaa aaaaactctt ggggcaattt cctgttgcaa gggtctgatt 360
tattttgaaa ggcaagttca cctgaaattt tgtatttagt tgtgattact gattgcctga 420
tt 422

<210> 817
<211> 352
<212> DNA
<213> Homo sapiens
<400> 817
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attttcatct gtctctattc attttgttgt gatgtcatgg atcatgtggc ctctggaaaa 120
ctctactgta tactcgagaa tgagaatata acaggcaaaa taacattatc atgaaaatag 180
ttttgacctc atgaacccca tgaaaggttc cccagaccaa aattttagaa tcactggtat 240
agggtaacac tttattgtgt aaattcagtt ctctgtaccc cacttaaata tgtattatta 300
tctcttgaca ttattttccc aaaaaatgct gtttgatttc ttacttgttc tg 352

<210> 818
<211> 335
<212> DNA
<213> Homo sapiens
<400> 818
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atcttgaatc tctttctttg ttctgtttgt ttagttagta tcatctggta aaatagttaa 120
aaaacaacaa aaaactctgt atctgtttct agcatgtgct gcattgactc tattaatcac 180
atttcaaatt caccctacat tcctctcctc ttcactagcc tctctgaagg tgtcctggcc 240
agccctggag aagcactggt gtctgcagca cccctcagtt cctgtgcctc agcccacagg 300
ccactgtgat aatggtctgt ttagcacttc tgtat 335

<210> 819
<211> 261
<212> DNA
<213> Homo sapiens

<400> 819
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tgattgactc ccagaattcg aaagaaactg agtcccacaa agctctgtct gatctggagc 120
tcgcagccca gtcaataatc ttcatttttg ctggctatga aaccaccagc agtgttcttt 180
ccttcacttt atatgaactg gccactcacc ctgatgtcca gcagaaactg caaaaggaga 240
ttgatgcagt tttgcccaat a 261

<210> 820
<211> 245
<212> DNA
<213> Homo sapiens
<400> 820
ggtgagggga tgacccctgg agatgaaggg aagaggtgaa gccttagcaa aaatgcctcc 60
tcaccactcc ccaggagaat ttttataaaa agcataatca ctgattcctt cactgacata 120
atgtaggaag cctctgagga gaaaaacaaa gggagaaaca tagagaacgg ttgctactgg 180
cagaagcata agatctttgt acaatattgc tggccctggt tcacctgttt actgttatca 240
caata 245

<210> 821
<211> 273
<212> DNA
<213> Homo sapiens
<400> 821
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tgaagacaat tatcaaccac gtggagaaaa tcaaaccgag cagggctgtg tgaaacatgg 120
ttgtaatatg cgactgcgaa cactgaactc tacgccactc cacaaatgat gttttcaggt 180
gtcatggact gttgccacca tgtattcatc cagagttctt aaagtttaaa gttgcacatg 240
attgtataag catgctttct ttgagtttta aat 273

<210> 822
<211> 492
<212> DNA
<213> Homo sapiens
<400> 822
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agtgtgatct aagaaaaagt gatggtttta ggaaagtgaa aatatttttg tttttgtatt 120
tgaagaagaa tgatgcattt tgacaagaaa tcatatatgt atggatatat tttaataagt 180
atttgagtac agactttgag gtttcatcaa tataaataaa agagcagaaa aatatgtctt 240
ggttttcatt tgcttaccaa aaaaacaaca acaaaaaaag ttgtcctttg agaacttcac 300
ctgctcctat gtgggtacct gagtcaaaat tgtcattttt gttctgtgaa aaataaattt 360
ccttcttgta ccatttctgt ttagttttac taaaatctgt aaatactgta tttttctgtt 420
tattccaaat ttgatgaaac tgacaatcca atttgaaagt ttgtgtcgac gtctgtctag 480
cttaaatgaa tg 492

<210> 823
<211> 519
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t
<400> 823
gagtatacat cggtgcaggc ttcctggatg acagttgggt gatatgtgtc atgtggccta 60
aaagcctcca tgtcatttga cctacgaatt ctatctttgg gaatttatcc taagaaanta 120
cttanggatt tanttngtga taagatgttc atcccagcat tgcaatggag aaaaatggga 180
agcaatggtt tggttgggaa tttattcctt ttctgctgta acgaaagttt gcaatagggg 240
attgcttaag taaattattg tatctccatc cagatggtgg agtaccgcgc agacattaaa 300
agtcatgtaa aagaacatct gactgaaaga aaaatgctcc ttgaatatta aaaggttgta 360
aaaatagtgc atgttatgtg atttcaattt tgtttttaa aatatgggtg tatgcttgta 420
tacgtagagc agataaaaaa gacggaaggc atactaaaaa atgttgagtg gttatctttg 480
tatggtggaa caaagtcact gtaattttca tctttggtt 519

<210> 824
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t
<400> 824
tcccttgcct tcactgtaat gcttaatggt tgtgtagtct tatacgtgac tcctgacttc 60
aaggatcctg gtctgtacct ctttaggtca acacgttttg agtgaactgg tgttggttat 120
ttggaattag atataaagtc atatattctt tggtgaggaa tggcttcata taggagttca 180
cattcaaaac aagctttgac aaaataatag agtgaaaatt ggtagatcag agttgagctg 240
attggaggac caaattaaaa gactggctgg gcatgatggc tcacacctga aaacccagca 300
ctttgggagn cnaaggcagg cagattgttt gagcccagga attcaagacc agcctagata 360
acctgggtat cccag 375

<210> 825
<211> 387

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t
<400> 825
gagcacatat cttacaaaac accaaaaaat tcatagtgaa gagaaatcaa atatacatac 60
tgagtgtggg gaanccatta gacaaaactc ttctttttna caacaataaa ancctcacac 120
tggagagntt ctctgaatgc cttaagaatt tggttaatat ggagaccctt cccagggaaa 180
cagaaggagg atcgtgaaaa ctgttgacta cttagaatga tcacatggtt tagtggagag 240
agcatgattc tgggttttaa aagtcatgga tctcaatctc agctcctatt actaactaga 300
tcttttactt tggggtaagt cacttcatat ctttaggcct taatttcctc atctgaaaaa 360
ctggaaggcc tgacttgttg agcttta 387

<210> 826
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t
<400> 826
tatgactgct aaaagaacca acccaggaca gagccacaat cttcctctat ttcattgtaa 60
tttatatatt tcacttgtat tcatttgtaa aactttgtat tagtgtaaca tactccccnc 120
agtntacttt tacaaacgcc tgtaaagact ggcatcttca caggatgtca gtgtttaa 178

<210> 827
<211> 426
<212> DNA
<213> Homo sapiens

<400> 827
gagagtggtt ggggggagtg ggagaggttt gggggctggg aagacaaggg aaaagaaaat 60
gcaggtatat gctatttgtg ttcattttgt ctttgaaaat cgtaagtgta cagcatcatt 120
ctcgggcaga gtctgggagg acttgagttg actgctacag tttatgatct tccctaaaca 180
tcgacgttcc tggaaatctt tggcctctga gctgacttct tctctgttgc ttgtgagcca 240
ggaatttaac agctctgttg tatgtgcagg ctgcagatgc ttctcttcag cttttgctat 300
ccaatgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgttgg 360
ataaacttaa aaaacctgtt gcttccatgc aacggcccac acaacttggg actcatggtc 420
agcctc 426

<210> 828
<211> 400
<212> DNA
<213> Homo sapiens
<400> 828
tctgttccaa aatgtacgga ccccacttac aatgaaattg tagtatatga tgaagtcaca 60
gagctccaag gacatgtctt aatgcttatt gtgaagagta aaactgtatt tgtgggagca 120
attaacatcc gactctgtag tgtcccactc gataaagaaa aatggtatcc attaggaaac 180
agtataattt gaccattgct atgaacatat gcattattca ttaactactt gtatttttt 240
cacttccggg cctctgaatc acataagtaa ggcatctttg ttgtcaaaga cagcacaggg 300
tattaaggac acagaaaaaa aatcagaatt agtcttttgt gttgtttatt ttctacctgt 360
gctttcattg ttttttcata atcttttctc cttcagtgga 400

<210> 829
<211> 520
<212> DNA
<213> Homo sapiens
<400> 829
taaagccttt aactggtcct caactcttac taaacataag agaattcata ctggagagaa 60
gccctacaaa tgtgaagaat gtggcaaagc ttttaaccgg tcctcaaacc ttactcgaca 120
taagaaaatt catactggag agaaaccata caaacctaaa agatgtgaca gtgcttttga 180
caacacccca aacttttcta gacataaaag aaatcatatg ggtgagaaat cctagaaatg 240
tgaagaatgt gacaaagcct ttaagcggtt gtcacacttg attgtatata agataattca 300
tactggagaa aactcccaga agtgtgacaa atgtgacaaa acatttaatt aattctcata 360
ccttattgca caggaaagca tttatacttg agaaaaattg tataaagaat ggaaaagtca 420
ttaatatctg ctcatatctt aacatcagcg agttggtatt taataaaagc attatcaatg 480
aaattactgg caaaagatct ttcagaccat ataagcctgc 520

<210> 830
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t
<400> 830
cactgctagc agggcttcaa ccaggaaggg atcaacccag gaagggatga tcaggagagg 60
cttccctgag gacataatgt gtaagagagg tgagaagtgc tcccaagcag acacaacagc 120

agcacagagg tctggaggcc acacaaaaag tgatgctcgc cctgggctag cctcagcaga 180
cctaaggcat ctctactccc tccagaggag ccgcccagat tcntgcagtg gagaggaggt 240
cttccagcag cagcaggtct ggagggctga gaatgaacct gactagaggt tctggagata 300
cccagaggtc ccccaggtca tcacttggct cagtggaagc cctcttt 347

<210> 831
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (374)..(376)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (398)..(401)
<223> n is a, c, g, or t
<400> 831
gaaccacctc aatgcaaaga ttctacggga aaatgtgggc cccctccacc tattgacaat 60
ggggacatta cttcattccc gttgtcagta tatgctccag cttcatcagt tgagtaccaa 120
tgccagaact tgtatcaact tgagggtaac aagcgaataa catgtagaaa tggacaatgg 180
tcagaaccac caaaatgctt acatccgtgt gtaatatccc gagaaattat ggaaaattat 240
aacatagcat taaggtggac agccaaacag aagctttatt tgagaacagg tgaatcagct 300
gaatttgtgt gtaaacgggg atatcngtct ttcatcacgt tctcacacat tgcgaacaac 360
atgttgggat gggnnnctgg agtatccaac ttgtgcannn ngatagaatc aatcataaaa 420
tgcacacctt tattcagaac tttagtatta aatcagttct taatttcatt tttaagtatt 480
gttttactcc tttttattca tacgtaaaat tttggatta 519

<210> 832
<211> 416
<212> DNA
<213> Homo sapiens
<400> 832
cagcccactc tcaagatttt gaagacattt gcctttgttt tcctccagaa actttatagt 60
tttagctgtt ggatctgtga ttatcaccag ttgatttttg tgtatggtgt gaggggggga 120
tcaagattta ttttgtatat ggacatccat ctactctaca catttattga aaaaaacaac 180
acctttcttt tcccattgaa ttgcgtgggg actttgttaa taaatgaatg gtcatatatt 240
tgggtctgtt tctggactct gttctttcca cttggactaa ttatccattc ttgcatcagt 300
accatacttt tttaattact gtagtttatg gtaagtcttg acatggtatt gtaaaccctc 360
cagttttgtt cttttaaaca aatgttttga ctatttaagt gctttacatt tccata 416

<210> 833
<211> 482
<212> DNA
<213> Homo sapiens

<400> 833
agcagatgga gcccaaaagc ttttggtgaa ggccaaagca gctgagaaag cagcaaatat 60
tctattaaat cttgacaaaa cattgaacca gttacaacaa gctcaaatca ctcaaggacg 120
ggcaaactct accattacac agctgactgc caatataaca aaaataaaaa agaatgtgct 180
gcaggaattt gttgagctga aaaaacaata tgctattctc caacgtaaga caagcactac 240
aggactaaca aaggagacat taggaaaagt taaacagcta aaagatgcgg cagaaaaatt 300
ggctggagat acagaggcca agataagaag aataacagat ttagaaagga aaatccaaga 360
tttgaatcta agtagacaag caaaagctga tcaactgaga atattggaag atcaagttgt 420
tgccattaaa aatgaaattg ttgaacaaga aaaaaaatat gctaggtgct atagctaggc 480
ag 482

<210> 834
<211> 212
<212> DNA
<213> Homo sapiens
<400> 834
ccttatcatc cgtcacaggg gtcagaaagg acctcgaggg cctccaccag caggtcacct 60
tctgtgatcc ccatcccaag gcactggtgg tgactctgct tcctgcactg acccagagcc 120
tctgcctgtg cactgcaagc tgtgtctact caggccccaa ggggactctc tgtttccatt 180
ctcccccccac agacctgtca agagaagcat ga 212

<210> 835
<211> 264
<212> DNA
<213> Homo sapiens
<400> 835
ttcctaaatg gtcttccttt tccatttttt cccttgtaaa ataatctgct tttaatttag 60
cgagctcttc tcatgtgttt atcatttaaa tgaataagta aatgagggca gtttgcttac 120
tggttaagaa aggatgcagg ctttagggct ggaagcacct ggtttcaaag cctggctctg 180
cctcttatca gctgcgtaac ctttggacaa gttgctttat tgctctaagt ttcagtttcc 240
tcctgtgtca actctagagg actg 264

<210> 836
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t
<400> 836

tgggatttag tcagtcacag agatactatt actatgagta agaaattaat ggcaaaggaa 60
ttaatccaag aatagaagaa tgaagcaagt tcactttcaa tcaagaaact tcataatact 120
ttcagggaag ttatcttttc ctgtcaatct gtttaaaata tgctatagta tttcattagt 180
ttggtggtan cttattttta ttgtgtaatg atctttaaac gctatatttc agaaatatta 240
aatggaagaa atcaatatca tggagagcta actttagaaa actagctgga gtattttagg 300
agattctggg tcaagtaatg ttttatgttt ttgaaagttt aagttttaga cactccccaa 360
atttctaaat taatcttttt cagaaatatc gaaggagcca aaaatataaa acagttctgn 420
atanccaaag tggctatatc aacatcaggg ctagcacatc tttctctatt atccttctat 480
tgga 484

<210> 837
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t
<400> 837
gacagaccaa agttaaacaa gcctccggaa actcttatca ctactattga ttctagttcc 60
agttggtgga ccaactgggt gatccctgcc atctctgcag tggccgtcgc cttgatgtat 120
cgcctataca tggcagagga ctgaacacct cctcagaagt cagcgcagga agagcctgct 180
ttggacacgg gagaaaagaa gccattgcta actacttcaa ctgacagaaa ccttcacttg 240
aaaacaatga ttttaatata tctctttctt tttcttccga cattagaaac aaaacaaaaa 300
gaactgtcct ttctgcgcnc aaatttttcg agtgtgcctt tttattcatc tactttattt 360
tgatgtttcc ttaatgtgta att 383

<210> 838
<211> 507
<212> DNA
<213> Homo sapiens
<400> 838
gattcctgtg ggtccagctt tggaactggg aaacctttct tcggatccgc actcattcca 60
ctgatgccag ctgcccctga aggatgccag tactgtggtg tgtgagtctc agcagccgcc 120
cacacgctcc taactctgct gcatggcaga tgcctaggtg gaaatagcaa aaacaaggcc 180
cgggctgggg ccagggccag aggggaaggc cctggattct cactcatgtg agatcttgaa 240
tctctttctt tgttctgttt gtttagttag tatcatctgg taaaatagtt aaaaaacaac 300
aaaaaactct gtatctgttt ctagcatgtg ctgcattgac tctattaatc acatttcaaa 360
ttcaccctac attcctctcc tcttcactag cctctctgaa ggtgtcctgg ccagccctgg 420
agaagcactg gtgtctgcag cacccctcag ttcctgtgcc tcagcccaca ggccactgtg 480
ataatggtct gtttagcact tctgtat 507

<210> 839
<211> 502
<212> DNA
<213> Homo sapiens
<400> 839
ctggagtctg gggtgtgttg tcatagagat ggtgactggc aaggtttgca cagatgaaga 60
atgaagccta gtagaatatg gacttggaaa attctcttaa tcactactgt atgtaatatt 120

tacataaaga ctgtgctgag aagcagtata agccttttta accttccaag actgaagact 180
gcacaggtga caagcgtcac ttctcctgct gctcctgttt gtctgatgtg gcaaaaggcc 240
ctctggaggg ctggtggcca cgaggttaaa gaagctgcat gttaagtgcc attactactg 300
tacacggacc atcgcctctg tctcctccgt gtctcgcgcg actgagaacc gtgacatcag 360
cgtagtgttt tgacctttct aggttcaaaa gaagttgtag tgttatcagg cgtcccatac 420
cttgttttta atctcctgtt tgttgagtgc actgactgtg aaacctttac ctttttgtt 480
gttgttggca agctgcaggt tt 502

<210> 840
<211> 328
<212> DNA
<213> Homo sapiens
<400> 840
gatttctttt caccattcgt acataatact gaaccacttg tagatttgat ttttttttt 60
aatctactgc atttagggag tattctaata agctagttga atacttgaac cataaaatgt 120
ccagtaagat cactgtttag atttgccata gagtacactg cctgccttaa gtgaggaaat 180
caaagtgcta ttacgaagtt caagatccaa aaggcttata aaacagagta atcttgttgg 240
ttcaccattg agaccgtgaa gatactttgt attgtcctat tagtgttata tgaacataca 300
aatgcatctt tgatgtgttg ttcttggc 328

<210> 841
<211> 546
<212> DNA
<213> Homo sapiens
<400> 841
gacacaggca ggtgactact ccatccgcgt ggacctgcgg gctggggacg aggctgtgtt 60
cgcccagtac gactccttcc acgtagactc ggctgcggag tactaccgcc tccacttgga 120
gggctaccac ggcaccgcag gggactccat gagctaccac agcggcagtg tcttctctgc 180
ccgtgatcgg gaccccaaca gcttgctcat ctcctgcgct gtctcctacc gaggggcctg 240
gtggtacagg aactgccact acgccaacct caacgggctc tacgggagca cagtggacca 300
tcagggagtg agctggtacc actggaaggg cttcgagttc tcggtgccct tcacggaaat 360
gaagctgaga ccaagaaact ttcgctcccc agcgggggga ggctgagctg ctgcccacct 420
ctctcgcacc ccagtatgac tgccgagcac tgaggggtcg ccccgagaga agagccaggg 480
tccttcacca cccagccgct ggaggaagcc ttctctgcca gcgatctcgc agcactgtgt 540
ttacag 546

<210> 842
<211> 399
<212> DNA
<213> Homo sapiens
<400> 842
tcacaaactt ttatactctt tctgtatata catttttttt ctttaaaaaa caactatgga 60
tcagaatagc cacatttaga acacttttttg ttatcagtca atatttttag atagttagaa 120
cctggtccta agcctaaaag tgggcttgat tctgcagtaa atcttttaca actgcctcga 180
cacacataaa ccttttttaaa aatagacact ccccgaagtc ttttgttcgc atggtcacac 240
actgatgctt agatgttcca gtaatctaat atggccacag tagtcttgat gaccaaagtc 300
ctttttttcc atctttagaa aactacatgg gaacaaacag atcgaacagt tttgaagcta 360
ctgtgtgtgt gaatgaacac tcttgcttta ttccagaat 399

<210> 843

<211> 543
<212> DNA
<213> Homo sapiens
<400> 843
gtggaatgtc atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaagac 60
attgttctgg ttgcctatag tgctctggga tccctccgag aagaaccatg ggtggacccg 120
aactccccgg tgctcttgga ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga 180
accccagccc tgattgccct gcgctaccag ctacagcgtg gggttgtggt cctggccaag 240
agctacaatg agcagcgcat cagacagaac gtgcaggtgt ttgaattcca gttgacttca 300
gaggagatga aagccataga tggcctaaac agaaatgtgc gatatttgac ccttgatatt 360
tttgctggcc cccctaatta tccgatctct gatgaatatt aacatggagg gcattgcatg 420
aggtctgcca gaaggccctg cgtgtggatg gtgacacaga ggatggctct atgctggtga 480
atattaacat ggagggcatt gcatgaggtc tgccagaagg ccctgcgttg tggatggtga 540
cac 543

<210> 844
<211> 496
<212> DNA
<213> Homo sapiens
<400> 844
ccccgattca gtcccggatt gtgggaggct gggagtgtga gcagcattcc cagccctggc 60
aggcggctct gtaccatttc agcactttcc agtgtggggg catcctggtg caccgccagt 120
gggtgctcac agctgctcat tgcatcagcg atgtgaaggt cgtggagttg cccacccagg 180
aacccgaagt ggggagcacc tgtttggctt ccggctgggg cagcatcgaa ccagagaatt 240
tctcatttcc agatgatctc cagtgtgtgg acctcaaaat cctgcctaat gatgagtgca 300
aaaaagccca cgtccagaag gtgacagact tcatgctgtg tgtcggacac ctggaaggtg 360
gcaaagacac ctgtgtgggt gattcagggg gcccgctgat gtgtgatggt gtgctccaag 420
gtgtcacatc atggggctac gtcccttgtg gcacccccaa taagccttct gtcgccgtca 480
gagtgctgtc ttatgt 496

<210> 845
<211> 330
<212> DNA
<213> Homo sapiens
<400> 845
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tgtgtcactg acccatgctc tgctccctgt tccaccagct actgctgtct ggctccccgg 120
accttcgggg tgagtcccct gagacgctgg attcagcggc cccagaactg caacacagga 180
tcatctggct gctgtgagaa ttcgggaagc tctgggtgct gtggttctgg gggctgtggc 240
tgcagctgtg gatgtggcag ctctgggtgc tgctgtttgg gaattatccc catgaagtcc 300
cgaagtcctg cgttgctgtg accatgaaga 330

<210> 846
<211> 453
<212> DNA
<213> Homo sapiens
<400> 846
sgatgaaatc tcactgctaa tgctcagaga tctttttttca ctgtaagagg taacctttaa 60
caatatgggt attacctttg tctcttcata ccggttttat gacaaaggtc tattgaattt 120
atttgtttgt aagtttctac tcccatcaaa gcagctttct aagttattgc cttggttatt 180

atggatgata gttatagccc ttataatgcc ttaactaagg aagaaaagat gttattctga 240
gtttgtttta atacatatat gaacatatag ttttattcaa ttaaaccaaa gaagaggtca 300
gcagggagat actaaccttt ggaaatgatt agctggctct gttttttggt taaataagag 360
tctttaatcc tttctccatc aagagttact taccaagggc aggggaaggg ggatatagag 420
gtcacaagga aataaaaatc atctttcatc ttt 453

<210> 847
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t
<400> 847
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ctttgctttc ttttgcacaa tgtcttnggt tgcaagtcan aagcctgagn caaataaaat 120
tccagtaatt tcgaagaatg tggtgttggt gc 152

<210> 848
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)..(113)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t
<400> 848
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tattgttgaa tggtgtcatg caaaggattt atatagtgtg ctcccactaa cnntgtacag 120
atcaggacac atatttttag acatctaagt ctgtagctta aatggaggtt actcttccat 180
catctagaat tgtttactta gtaattgttg tttcttttat tattatagac ttactatcag 240

ttttattttg ccaagtatgc aacaggnata tcactagtat atgaaaatgt aaatatcact 300
tgtgtactca aacaaaagtt ggtcttaagc ttccaccttg agcagccttg gaaacctaac 360
ctgcctcttt tagcataatc aca 383

<210> 849
<211> 506
<212> DNA
<213> Homo sapiens
<400> 849
tttgccttca gtaatcccct taaggagaaa atatatggac ctgatttcag ccttcagaat 60
ctccaaaaga ggagtcatca attcatagag cacactaggg tgttaggaga gagctttgca 120
tactctgaga ggctacttgg aaaggcattt tcccaggaga gctctgtcag gtggctgcgc 180
ttcagcccca cccctacacc acagggtctc cttgggtatg ttcttgggca agcaatcaca 240
aagccagaga agctgtaagc tgcctgccgg gcctgaggag ctccaaccag ggaagactgg 300
atgtgaggag aggagtcact gtcaccaggt cacagactga ctgaggtgat ggtaggatga 360
ggaggaacag atgcccttct ttaattggtt ctcagttaac ttctcagagg ctctggagaa 420
cgggacagtg gctttctagc ctctgaatgt tccaaataaa atttttggt cttggcccct 480
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<400> 850
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acga 244

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<212> DNA
<213> Homo sapiens
<400> 851
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<211> 554
<212> DNA
<213> Homo sapiens
<400> 852

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<212> DNA
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<212> DNA
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<211> 542
<212> DNA
<213> Homo sapiens
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<212> DNA
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<210> 857
<211> 501
<212> DNA
<213> Homo sapiens
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<210> 858
<211> 531
<212> DNA
<213> Homo sapiens
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aactttacaa cacaattgca tcccaaatac aaattgtatt gcttattcat tatagctatt 480
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<212> DNA
<213> Homo sapiens
<400> 859
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tgtatccttt tct 493

<210> 860
<211> 527
<212> DNA
<213> Homo sapiens
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<210> 861
<211> 464
<212> DNA
<213> Homo sapiens
<400> 861
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<210> 862
<211> 548
<212> DNA
<213> Homo sapiens
<400> 862

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<210> 863
<211> 505
<212> DNA
<213> Homo sapiens
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<210> 864
<211> 554
<212> DNA
<213> Homo sapiens
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cagaaaccgc tggg 554

<210> 865
<211> 498
<212> DNA
<213> Homo sapiens
<400> 865
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atttcttgct ctatcatt 498

<210> 866
<211> 461
<212> DNA
<213> Homo sapiens
<400> 866
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<210> 867
<211> 398
<212> DNA
<213> Homo sapiens
<400> 867
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<210> 868
<211> 489
<212> DNA
<213> Homo sapiens
<400> 868
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<210> 869

<211> 495
<212> DNA
<213> Homo sapiens
<400> 869
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<211> 517
<212> DNA
<213> Homo sapiens
<400> 870
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<210> 871
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<212> DNA
<213> Homo sapiens
<400> 871
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<211> 372
<212> DNA
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<210> 873
<211> 486
<212> DNA
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<210> 874
<211> 532
<212> DNA
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<210> 875
<211> 498
<212> DNA
<213> Homo sapiens
<400> 875
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tcttagggct tccaggggtc ccctggaagc tttagaatat ttatgggttt ttttttcaaa 180
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taataaaggc ttatattttg gtaacacttc tctatatttt tactcacagg aatgtcactg 360
ttggacaatt attttaaaag tgtataaaac caagtctcat aaatgatatg agtgatctaa 420
atttgcagca atgatactaa acaactctct gaaatttctc aagcaccaag agaaacatca 480

ttttagcaaa ggccagga 498

<210> 876
<211> 547
<212> DNA
<213> Homo sapiens
<400> 876
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tcaaggcagt caagttaaga cactaacttg gccctttcct gatggaaata tttcctccat 120
agcagaagtt gtgttctgac aagactgaga gagttacatg ttgggaaaaa aaagaacgca 180
ttaacttagt agaactgaac caggagcatt aagttctgaa attttgaatc atctctgaaa 240
tgaagcaggt gtctcctgcc ctctcatcaa tccgtctggg tgccagaact caaggttcag 300
tggacacatc cccctgttag agaccctcat gggctaggac ttttcatcta ggatagattc 360
aagaccttta cctcagaatt atgtaaactg tgattgtgtt ttagaaaaat tattatttgc 420
taaaaccatt taagtctttg tatatgtgta aatgatcaca aaaatgtatt ttataaaatg 480
ttctgtacaa taaagttaca cctcaaagtg tactcttgga atggattctt tcctgtaaag 540
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<210> 877
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t
<400> 877
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gtttagtctt cctgttgcat ttcatgggcc tgggggtttc ctngcagagg atattggagc 180
ccctttttgt gacattacca attacatctt tgtccacgtt taatactttg ttttggaaaa 240
tttaaatgct gcagatttgt gtagagttct aataccaaag acagaagtaa atgttttcca 300
tatactttgt cttgcctgta tgcagccctt gtgtaatatg gt 342

<210> 878
<211> 400
<212> DNA
<213> Homo sapiens
<400> 878
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gtaaacaatg gcatctttga acagtgtgat gagaatagga atgtggtgtt ttaaagcagt 120
gttgcatttt aatcagtaat ctacctggtg gatttgtttt taaccaaaaa gatgaattat 180
caatgatttg taattatatc ggttgatctt ttttgaaaag atgaaccaaa ggatttgact 240
gctaatattt tattccttac actttttttc tgaataagtc tctcataatg agtgcagtgt 300
cagactgtgc ctactctgat ggtatgtgcc atttgtaaaa taaaatagag cagaaaaaca 360
caaaaagaga acactggttc agacattcag tgggcaagta 400

<210> 879
<211> 509

<212> DNA
<213> Homo sapiens
<400> 879
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tgggactgct gggtagcagc ctttgagcaa atctgcatct tctcttattt ctgacctttt 120
tccacgtgcc cagtcctatt tctgccagtt gaaggcatac taatattctt tatactattt 180
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ccgagagcat cggaaatgtt tttgtgtctt actgatgttt tcatgatcaa cttgtaaatg 300
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atttcgctgt gctcttttga ttaaaaatat ctaaccttaa aagacgtaaa aatgtatctg 480
tgaaatctca ctttgttagc gttgctgct 509

<210> 880
<211> 371
<212> DNA
<213> Homo sapiens
<400> 880
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tgccttagcc ttgggaggtc tgggaagggc tggaaatcac tggggacagg aaaccacttc 120
cttttgccaa atcagatccc gtccaaagtg cctcccatgc ctaccaccat catcacatcc 180
cccagcaagc cagccacctg cccagccggg cctgggatgg gccaccacac cactggatat 240
tcctgggagt cactgctgac accatctctc ccagcagtct tggggtctgg gtgggaaaca 300
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ggtttaatgt t 371

<210> 881
<211> 317
<212> DNA
<213> Homo sapiens
<400> 881
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atgtaactaa caggatgttt tactacagat ctggatggct attcagataa catggcaaaa 120
aatgatagca gaagatcatt aaaaacttaa aatatatttt attagaaaac atttatctat 180
gaatgaatat ttccttgatg ctggtctctg cacacatatg cttggttact tgcatgcatt 240
cattggttgt tcaataagtg agatgattac agataatact gtattttcct tatatggaaa 300
accgttatag acccaat 317

<210> 882
<211> 534
<212> DNA
<213> Homo sapiens
<400> 882
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atgctgctac tagcttttt ttttaaaaaa agtaaaagtt gctgctttct aaaatattaa 120
ttgccttata tttgaaagtg ccattgcaat cgtaagtaga ctatgtattt cctataatga 180
tgtctgatat ttaaatagga aatcagacaa acaatattca gaaagtttaa gcatataaac 240
tttttatttt taacttgcct agatccctgt attccaaaac ctgctgcatc ataataaata 300
tatctatata tatttagcat aagacgtgat atttttaatt tctttttaa aaaattatat 360
ttgtctctta gagttaaaat tttctttata taatattgtc atatgtcata gttttaatac 420

aattcacatg atttctatgt ttcttaatga tattttgttg tgtaaaattg atcggattga 480
ttaaaaaaca aattctctgg aatttgtgcg ttcatgcttt ttcgtattct ttat 534

<210> 883
<211> 500
<212> DNA
<213> Homo sapiens
<400> 883
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agaaagtata gccttgctgt ctgtctacat catgatgtat aaattgatat atctacatga 120
attatagaaa cttagaagtg atctttattc agtcttataa tttttacatg aagaatctta 180
ggcctaggag gagaaaatga ttttctttct attacctaac tagattgggg catatttctg 240
ataaagaccc acctctagtg agattcatct ttttgtttg tgtgactata ttccatagag 300
aagaaagatg ggatagctca acttcattat ataccaaagc aaaacacatg ccaaatgatg 360
actacatttt accaacatat ttagacgagt attcttgact agtgtttact atctataccc 420
ccaaaactac tactatatag acagaatgga aagtatttct atttgtcctt tttttgtttt 480
ctgttctaat tgtcagggac 500

<210> 884
<211> 491
<212> DNA
<213> Homo sapiens
<400> 884
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ctgctgggca tcaaaaccca cctggagaag gaaatcacca cgtaccgacg gctcctggag 120
ggagagagtg aagggacacg ggaagaatca aagtcgagca tgaaagtgtc tgcaactcca 180
aagatcaagg ccataaccca ggagaccatc aacggaagat tagttctttg tcaagtgaat 240
gaaatccaaa agcacgcatg agaccaatga aagtttccgc ctgttgtaaa gtctattttc 300
ccccaaggaa agtccttgca cagacaccag tgagtgagtt ctaaaagata cccttggaat 360
tatcagactc agaaactttt attttttttt ttctgtaaca gtctcaccag acttctcata 420
atgctcttaa tatattgcac ttttctaatc aaagtgcgag tttatgaggg taaagctcta 480
ctttcctact g 491

<210> 885
<211> 493
<212> DNA
<213> Homo sapiens
<400> 885
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gtgtctgacc tagaagaggc acagttctct ctactggaaa gaaaacgatg tagccgattg 120
cacaagggtg ccaagggaag acccaggatg gcccatcaaa ggaacctggg ggaggatgca 180
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tccggtttgt ctctaagccc ctttctccag ggcatgttgg tttccctggc ctctcagtgt 360
cctaactgga gcccagagtg ccttgttctg agccaggaga cggctgagca ctggccctcc 420
acacctaagc gtcctttaca ttaacttatt ggtcttgtat aacacctggt gccattgcca 480
agtggctgtg tcc 493

<210> 886
<211> 518

<212> DNA
<213> Homo sapiens
<400> 886
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ctttgtgttg ggtcctggga atctgagctt tgttccctgt gcatggtgga taattgaaac 120
caagaggaca tgggatagac cttgtgacag accaattctg tgacccctgt cttctgggtc 180
acattattca ttgttgattt aaatacagga ctaccaaaca gtacaaatct atcatgagtc 240
tggtagaaaa gtaaaagtaa aagctgcaca cgttacatac tgtttattgt tctaatgtac 300
aactaactat ttgcatataa tgtgatttaa tttattgctg ttttgtgtag aaaaggagaa 360
ctaatgactg tggatataac ccatgttttg tataatatat tttatttctt gtgcgaactg 420
gtcatttaaa atatctactt catttgatgt ttggatataa atgtgtatgt gtccttgtaa 480
atgtttctat caagcaagaa tgccacgtac tcagagta 518

<210> 887
<211> 533
<212> DNA
<213> Homo sapiens
<400> 887
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gtctgggcga agggtagggg tgggtagggg cgggaagcct gagtgcaaat gtcatttccc 120
tctactgcct cttcctgcct ctccccaccc tgcccacatc cacagagggg agagaagggt 180
catagctaaa tgcaacaaag tctgtatctt gtcccaacct gcttttctgt tctgttagca 240
tatcataaag taagcctttc tggtgaagga aggttgctat gaaacttttt ttcttggtgg 300
aaatggccaa gtttaggcac tctgcttttt gccttacact aatgcttaga aagctgtctt 360
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tgagtccagg ccaccaatca ggcaaatagc ccatacattt gatcgttgta aaccatgaag 480
tcttttcttg caagacgttt ttcttctgct gtggtatctt gcccttaaaa att 533

<210> 888
<211> 516
<212> DNA
<213> Homo sapiens
<400> 888
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caatcatatg gagacttctt ttgtgatgaa aaagggcttt agaagttaaa tacatgcatg 120
cacatgaaaa catgcacaac cacagcctca atcttgtatt tagtttgggg aaagagaaga 180
gaatttcctg tggattattt tttcctcaag tgcacctctc tggctaaccc aactctgcaa 240
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atttcagttt ttagccttta cacatgaggt caaggagtga cgaaaataca agcaggaaaa 360
aatgaaatat ctggtttttg ctgaatgctt aatttatttt ttactgtgcc actccaatat 420
ttatcaaatc caatagcatg aatgcttctc tgtagtaata ctaattttgt gccttttgtc 480
tgctttctta agaccagttg ttcacacttt gtagat 516

<210> 889
<211> 529
<212> DNA
<213> Homo sapiens
<400> 889
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cacagaatgt gttacatgca gactcgctca agggcataag ttattgtgaa cgtttttgcc 120

aatcactgct caacagccct gctagatttt gtatgatgct gaattattat gcagactaat 180
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gcccgtgctg tcccttgtat ttactttaag cactgatcac ttatcattca ttcggtatgg 300
ttttccctgt cccttgtaca cattctggta tgaatttgta aaaataacct gctacaaatt 360
ggttgaatgt ttctgtctgt ggtgcgaacc agcattaacg gatggggcac gtgcccaact 420
gaggaacagg agaagaaatc accaatttgg gctctcagag ctaagacaca cttattgatt 480
ctgttgcaca ttttgcactg gtttatggcg attgttttct tggacggat 529

<210> 890
<211> 490
<212> DNA
<213> Homo sapiens
<400> 890
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atcctgagat ttcttaattt catggttctt taaatattat aaacacagag tcaacataga 180
atgaaattgt atttgttaaa atacacacat tggaggacaa gagcagatga ctacttttcg 240
aagtaatgct gctccttcct aaaagtctgt tttcaatcct ggtaatatta ggggcactgc 300
ggcacctaag aagccttaaa tgagagctaa tccaatttag agagcgatgg tgtcagcatt 360
tcggtctgca tatctgtgtg tccgtatctg cgtttgtgtg cgtgtacgtg tgcccctgtg 420
tgtgggccca gttttcaggc atgtagaata agcatggagt catattgagg aggactcact 480
tcttgaagat 490

<210> 891
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t
<400> 891
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ccaggaggac gtggacaagc tgctgcacct gacacattac aatgtctgca acaaccagga 120
gcagctgctg gaggctctgc gccaggcagt gcagcggagg cggcagcgca ggccccactg 180
atggccgggg cccctgccac ccctaactct cattcattcc ctggctgctg agttgcaggt 240
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caggctgagg gctgggagct cccttgcgcc tcagcagttt gcagtggggt aaggaggcca 360
agcccatttg tgtaatcacc caaaaccccc cggcctgtgc ctgttttccc ttctgcgcta 420
ccttgagtag ttg 433

<210> 892
<211> 399
<212> DNA
<213> Homo sapiens
<400> 892
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acattttctc ctgtaaagat aggctaattt ctgaaataat aattaaattt atagaaagcc 180

gagaggaaat tgctagttta ttcctggtag aggaatttct gtatttgaaa attctccaga 240
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caaatgtatc cctctgttgg gggctattga taatggggaa ggctgtgcat gtgtgggagt 360
aggaggtgta tgggacatct ctgtaccttc taatcaatt 399

<210> 893
<211> 356
<212> DNA
<213> Homo sapiens
<400> 893
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ttgtggatat ttggctgttt ttaatctgac aagcagtaac ttcatatggt ttgccttaat 120
atatatttgt tttagtcatg aactcataat ccattgatgc tctttcatga gaagagatat 180
gacccatatt tccttattga tattattggt acaggcagac aaccctggta ggagagatgg 240
attctggggt catgaccttt cgtgattatc cgcaaatgca aacagtttca gatctaatgg 300
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<210> 894
<211> 498
<212> DNA
<213> Homo sapiens
<400> 894
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ggtgtgaaaa catggagtcc gttttatagt gactaaagga gggctgaact ctgtattagt 180
aatccaaggg tcatttttt cttaaaaaaa gaaaaaaagg ttccaaaaaa aaccaaaact 240
cagtacacac acacaggcac agatgcacac acacgcagac agacacaccg actttgtcct 300
ttttctcagc atcagagcca gacaggattc agaataagga gagaatgaca tcgtgcggca 360
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<210> 895
<211> 453
<212> DNA
<213> Homo sapiens
<400> 895
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gtattttgca aaagctactt ttcctagttt tcagtattac tttcatgttt taaaaatccc 120
tttaatttct tgcttgaaaa tcccatgaac attaaagagc cagaaatatt ttcctttgtt 180
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tgttgtacgg taatagttat caccttctaa attactatgt aatttactca cttattatgt 360
ttattgtctt gtatcctttc tctggagtgt aagcacaatg aagacaggaa ttttgtatat 420
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<210> 896
<211> 465
<212> DNA
<213> Homo sapiens

<400> 896
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taaatgggct aaaattacat tagataaact aaaattctgt ccgtgtaact ataaattttg 180
tgaatgcatt ttcctggtgt ttgaaaaaga agggggggag aattccaggt gccttaatat 240
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tactctgtgt ggcttttgtt ttagaatttt gttcaaatta tagcagaatt taggcaaaaa 360
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<210> 897
<211> 447
<212> DNA
<213> Homo sapiens
<400> 897
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gagaggcgac acatttcaaa tctccac 447

<210> 898
<211> 468
<212> DNA
<213> Homo sapiens
<400> 898
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tctccagagt ccccaaagcc acatggcatt attatagtca tttttgagat gcctgtagag 120
aatgaaagta ttgactccgt tagagggaaa atgggtttct ctgggtgaat tccaacgaag 180
catacctagg ggtaacagtg aacctacctg ggtttgtttt gttttggtaa ggatttatgt 240
agtgtctggc tgtaagcaag aatgagtgga ttataaactt gaagatttct ctgttaaagt 300
cacaaaaatg atcgacaaac aatatttttg tgatgtttat ttaaacgttg tattttataa 360
catacttcaa ggaagagtat cgaagtaagt tgctttataa attaagacta aattcgtatg 420
gatgcagaat tcaattaata aaatttgagc ctgttacgta aattgaat 468

<210> 899
<211> 528
<212> DNA
<213> Homo sapiens
<400> 899
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acaacccaag ggttttcgct gttgttgttt ttctttttct atttttgttt acttagtcct 180
ttagctagtg gatttaattt tgttgtgcct gcttcatttt gcaataacaa tgcagtagaa 240
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gaaacttagt tatattgagg ttattgtttg tcggtgaagt gttagtcaca gtattttcaa 420

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<210> 900
<211> 483
<212> DNA
<213> Homo sapiens
<400> 900
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taagcttaaa aaaaatccat ggaagatcat ggacatgtga aatgagcatt tttttctttt 180
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ccagaaactt aggaagcatg aaataaatca aatgtttatt ttccttctta tttaaaatca 420
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aca 483

<210> 901
<211> 393
<212> DNA
<213> Homo sapiens
<400> 901
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<211> 471
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<213> Homo sapiens
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<212> DNA
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<211> 437
<212> DNA
<213> Homo sapiens
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<211> 434
<212> DNA
<213> Homo sapiens
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<211> 551
<212> DNA
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<211> 413
<212> DNA
<213> Homo sapiens
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<212> DNA
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<210> 911
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<212> DNA
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<211> 503
<212> DNA
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<400> 913
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<210> 914
<211> 331
<212> DNA
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<212> DNA
<213> Homo sapiens
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<211> 488
<212> DNA
<213> Homo sapiens
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<211> 460
<212> DNA
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<210> 922
<211> 424
<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 386
<212> DNA
<213> Homo sapiens
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<212> DNA
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<211> 547
<212> DNA
<213> Homo sapiens
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gtgggtataa actgttgaaa ccaatcacat taaaatattt agctgggcac agtggtgtgc 240
atctgtagtc ccagctactt gggaggctga ggcaggagga tcgcttaagc acaggagttg 300
gaatccagcc tgagcaacag agcaaaaccc cgtctctaaa atacaaataa aatatttgtg 360
tagtttttga ttaaaattga ctacagcggt cagtataaaa tacatgtcgc ttttaaggaa 420
gtgctcttta tgtatctaac agatggaagt ttttgcattg gtaagagcat ttatatatgc 480
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<210> 930
<211> 402
<212> DNA
<213> Homo sapiens
<400> 930
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tttctcttaa taatagacct gaaatgtttt attagtattt ctgtgaaatc agttgattct 180
tgtgccattt ttgtatatgt aattgtaatt ttgcccatgt taggccctct aaaaaatgtt 240
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tattcagcaa gaaggtatca gctgcatacc ttgcacagtg gagctgacta cctataaact 360
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<210> 931
<211> 452
<212> DNA
<213> Homo sapiens
<400> 931
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acccaccgga gagggggctt ctgaacttgg actcctggga acatggacaa gcccggcgct 120

gccacgccgg ggcctccacc gcctgggcct gagcctgacc gggccattcc caaatttggg 180
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ggcgtgaggc ctcctgggcc tgtcgggcct ccgatttcat cctcagacgt aatgctcacc 360
aacagcactt gcactgagtt gactcttgca cactcgactc cataatatga tgctttttaa 420
gatgtatgtt cacaccaata attgcctgct tc 452

<210> 932
<211> 496
<212> DNA
<213> Homo sapiens
<400> 932
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aaaagagctt gaagaaattg ccaggactca cccagaccag ttcgacctgt ggtacaccct 120
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cagagtaagt tcaatttcac cacggtaaac tgggatgttt tcaaaagtgc cttgccatgt 420
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gggctggaga ctggct 496

<210> 933
<211> 487
<212> DNA
<213> Homo sapiens
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gtctgctgcg gatctcagtg aaggaggtgg tgcggaggca agaggctggg ctaggtgagc 120
ctagcttggt ggccctggtg gtgtttgggg ccctcactgc tgccctggtt ctggctactg 180
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ggaggtgggg gctttctggc ccccttcctc acctcttcca cccctcagac tggagtggtc 420
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aatatta 487

<210> 934
<211> 321
<212> DNA
<213> Homo sapiens
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gcggcaaaac ctacacaaag agttcccatc tcaaggcaca cctgcgaacc cacacaggtg 180
agaaacctta ccactgtgac tgggacggct gtggatggaa attcgcccgc tcagatgaac 240
tgaccaggca ctaccgtaaa cacacggggc accgcccgtt ccagtgccaa aaatgcgacc 300
gagcattttc caggtcggac c 321

<210> 935

<211> 194
<212> DNA
<213> Homo sapiens
<400> 935
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agggaggccg gggctacgac cgggaccacg tggtgctatg ggagccggat gaggacaggg 120
catcccagat ctggactatc cacgtgcttt gaaacttttc ccctcaccct ccagccctgg 180
aggcttttgc tggg 194

<210> 936
<211> 415
<212> DNA
<213> Homo sapiens
<400> 936
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cgggtctcga ccacagcgtg gatcaccggc tgtttaggaa actgcagctg cacaacgtgg 120
ggtgcaaaac tgccccgctt cctttacagc tcttctcaac cctcacctcc atcccccgtc 180
acccaggcac cttcgcttcc agatgctgcc aggctgtcac tcaattcggt catttcattc 240
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tatttattgg gtactgctta cgtgctaagc agatcagttt atttaatgct tgcaacgact 360
ctctgaggta gaaaatattg ttaattccgt tcaggatccc ggctacataa tctgt 415

<210> 937
<211> 523
<212> DNA
<213> Homo sapiens
<400> 937
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gtgttagagg gtgtggcagc tggtaccttc ctgtatgtca ccttcctaga aattcttcca 180
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ttggagaatt ggtacagaga cgctccagat tttattctta tcc 523

<210> 938
<211> 511
<212> DNA
<213> Homo sapiens
<400> 938
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gctggggcag ccgctgccgc aggaggagct ggacgccatg atccgcgagg ccgacgtgga 240
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tgtgctggga ctctccgggg aaacctggtc ggtggatggg aaactgcctc cccctgggag 420
gaaggctttg cgctccgggg cctggatgcg gcgccctcgg gccgcctgcg agcccctctc 480

tgccttcaga ccttgggcag aaggaggcct c 511

<210> 939
<211> 389
<212> DNA
<213> Homo sapiens
<400> 939
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cacatcatct aaagcctgaa cccgttcttc tctggttcaa gtcagtggct gacacggact 180
tgtatctcct tcagagctcg gctggcaccc agcctccctt ctccttccac tcccttagta 240
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ccttcagtgc cttcatgaat tcaccttcc 389

<210> 940
<211> 466
<212> DNA
<213> Homo sapiens
<400> 940
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taagaagttg gaatttgatt tcatgcataa ctgtattaaa acattaaata gaaataatgt 180
catttgaatg aaaatcttat cacattaaat tcactgtgaa ggcagcatac ttaaaggaat 240
ttgatttcat gcataactgt attaaaacat taaatagaaa taatgtcatt tgaatgaaaa 300
tcttatcaca ttaaattcac tgtgaaggca gcatacttaa atttttattt tgaaaagtct 360
aaaaggctta gatttttaaa atttaataat tatttctaca aattttctat ttttcttgag 420
gtgattctca actagcaatt ggaactccta ggctctatta acataa 466

<210> 941
<211> 505
<212> DNA
<213> Homo sapiens
<400> 941
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agccttccag aatttcctga ggcaaaaaca cccttccctt ttgagaaacc taggggcaca 120
ttgggtaata agagtacctt aaatttaata ttaaggctgt gggtggtgat tgcttaattc 180
tgcaggacac atttactgca tcttatttct ggaaacctca tgaactgata gttaggcaaa 240
caaatggttg atttgatttt tttttaataa atctatttgg attttctgca aattcggtaa 300
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gtctgacacc aaactctggt ctctctctga ccactaatca aatgttctct ggatggatac 420
atactgattt cttactgata tataatgact ttttattgta ttggtatact gcaggcttct 480
ggtagccact taaccatacc agcaa 505

<210> 942
<211> 545
<212> DNA
<213> Homo sapiens
<400> 942
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atctctggtc cagatgttaa acgtttataa aaccggaaat gtcctaacaa ctctgtaatg 180
gcaaattaaa ttgtgtgtct tttttgtttt gtctttctac ctgatgtgta ttcaagcgct 240
ataacacgta tttccttgac aaaaatagtg acagtgaatt cacactaata aatgttcata 300
ggttaaagtc tgcactgaca ttttctcatc aatcactggt atgtaagtta tcagtgactg 360
acagctaggt ggactgcccc taggacttct gtttcaccag agcaggaatc aagtggtgag 420
gcactgaatc gctgtacagg ctgaagacct ccttattaga gttgaacttc aaagtaactt 480
gttttaaaaa atgtgaatta ctgtaaaata atctattttg gattcatgtg ttttccaggt 540
ggata 545

<210> 943
<211> 414
<212> DNA
<213> Homo sapiens
<400> 943
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cagatggcaa aatttaggat ccctgatgac cccactaatt atagagacaa ccagaaagtg 120
gtcatagacc acagagaagt ttctgagaaa attcatttta atcccagatt tggatcctac 180
aaagaaggac acaattatga aaacaaccat aattttcata tgaatactcc caaatacttt 240
ttatgaaaca tttaaaacaa gaagttattg gctgggaaaa tctaagaaaa aaagtatgta 300
agataaaaag aagagattaa tgaaagtggg aaaatacaca tgaagaacct caacttaaaa 360
aacacatggt atctatgcag tgggaaatta cctccatttg taaactatgt tgct 414

<210> 944
<211> 163
<212> DNA
<213> Homo sapiens
<400> 944
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agattatcta cagctcactg aacatggcaa tgtgaaggat atcgacagca ctgatcatga 120
cagatggtgt gaatacatta tgtatcgagg gctgatcagg ttg 163

<210> 945
<211> 553
<212> DNA
<213> Homo sapiens
<400> 945
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tgcagagtgc tagagccagt ggagaacttg ccaacttgat tgttttacag cagaggaaag 120
aggatcacag agggaaaatg attcacccaa agtcacacag caagttcatg gctgagctga 180
gaccaggatt aagcttcctg actcccagtt caccatgaaa agggttctgg caacaggttc 240
aagctggaga atccttcaaa atgctacacc cacattctct ccaactcttc atctccctga 300
tcttccagac aaactacctg gatgttgccc ttaaaccatt tctagctgtt aaccctatcc 360
agaaaaatga ttgagtgata gctgagaagt ggaaagtgtg ggatttttgg caggtgctct 420
ctttcctccg ccccccgcgc catcctttct cttcctcctc tctgtaatgg tatgtccagc 480
ctcactctcc ctccctggtg ctgtatgcgt tccccctgtt agctacattt gtgatcacat 540
acccttcttt taa 553

<210> 946
<211> 560

<212> DNA
<213> Homo sapiens
<400> 946
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ctcctgcctc agcctcctaa gtatctggga ttacaggcat gtgccaccac acctgggtga 120
tttttgtatt tttagtagag acggggtttc accatgttgg tcaggctggt ctcaaactcc 180
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cacagctggc ccccttctgt tttatgtttg gtttttgaga aggaatgaag tgggaaccaa 300
attaggtaat tttgggtaat ctgtctctaa aatattagct aaaaacaaag ctctatgtaa 360
agtaataaag tataattgcc atataaattt caaaattcaa ctggctttta tgcaaagaaa 420
caggttagga cacctaggtt ccaattcatt cacattcttg gttccagata aaatcaactg 480
tttatatcaa tttctaatgg atttgctttt ctttttatat ggattccttt aaaacttatt 540
ccagatgtag ttccttccaa 560

<210> 947
<211> 288
<212> DNA
<213> Homo sapiens
<400> 947
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aagagcagtt gaagtgattt atgcttgatt tctaaatgca acttatgttt atacataatt 120
taaaactcaa agaaagcatg cttatacaat catgtgcaac tttaaacttt aagaactctg 180
gatgaataca tggtggcaac agtccatgac acctgaaaac atcatttgtg gagtggcgta 240
gagttcagtg ttcgcagtcg catattacaa ccatgtttca cacagccc 288

<210> 948
<211> 513
<212> DNA
<213> Homo sapiens
<400> 948
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gatttgggat agggatagtg ttttggggta tgggggggagt gtttctgacc tgctttgcag 180
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gcctggtata tgatagagat tgatattaat gtaccatgta tgttaatgtg aatctgtggg 420
caggatactt ttccatggca ggaaatatcc aagctgttga aactggctat gttttaatat 480
gcctcattgt gcctttactg ttgtgtggac tgc 513

<210> 949
<211> 284
<212> DNA
<213> Homo sapiens
<400> 949
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gactataaat gataagccct gtccctagca ccacctctcc tgtgtgtgga atagaggccc 120
ctcgtgctac caacacttac cctgtgttta aaaagatctt gtaccaagcc aacggcgttc 180
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attccaaagc gtgtgctggt ttctcatatt gtctgtaggc tcac 284

<210> 950
<211> 511
<212> DNA
<213> Homo sapiens
<400> 950
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tgtgtatatg ggcgggacgt gtgtgtcatt a 511

<210> 951
<211> 316
<212> DNA
<213> Homo sapiens
<400> 951
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gatcacccag catcct 316

<210> 952
<211> 149
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t
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gtttctttgc aatgcattgt atggcttta 149

<210> 953
<211> 475
<212> DNA
<213> Homo sapiens
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caatgaagtt tttgcaattc tagaacttgg attttttttt aacaaaagtc ccaaaacacc 120
aaaaatgtaa acaagataag agattaatat tgtagtgatg taatttaatt aaagttatat 180

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<210> 954
<211> 402
<212> DNA
<213> Homo sapiens
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gtaacaagag attcctaaga aacgcaaatc cttgagtttc acgcacttca tgttcaacca 360
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<210> 955
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t
<400> 955
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tgtattgatg caatataagc ataaaagatc accttgtatt ctctttacct tctaaaagcc 180
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gacctaagtc aggtaatata cctggtttac ttctttagca tttttatgca gacagtctgt 420
tatgcactgt ggtttcagat gtgcaataat ttgtacaatg gtttattccc aagtatgcct 480
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<210> 956
<211> 491
<212> DNA
<213> Homo sapiens

<220>
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<222> (332)..(332)
<223> n is a, c, g, or t
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<221> misc_feature

<222> (365)..(365)
<223> n is a, c, g, or t
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caaggagctt gccaggcttc atgtagccga cacacgtctc aggattttaa gtccacattg 120
gcctcacact accagggcca atgcccaaaa taaggagttc caatttgggg ccaaatgagg 180
aaggacacag actctgccct gggatctcct gtgctagcgg ccaatgacaa atccagtcat 240
tggccaccag ccacctctgc agtggggacc acactagcag ccctgactcc acactcctcc 300
tggggaccca agaggcagtg ttgctgtctg cntgtccacc ttggaatctg gctgaactgg 360
ctggnaggac caagactgcg gctggggtgg gcagggaagg gaagccgggg gctgctgtga 420
gggatcttgg agcttccctg tagcccacct tccccttgct tcatgtttgt agaggaacct 480
tgtgccggcc a 491

<210> 957
<211> 253
<212> DNA
<213> Homo sapiens
<400> 957
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tgagggtgga ggggtcctgt aaggtgcttc atcgtctgtg attactgctt gggatgtgtt 120
ctttggcagc ttgtgagatt actttaccta gtgtttataa agtaggaagt taagtgaatc 180
atagattaga atttaatact cttatggaaa taatttttta acatcttaat tgacaatggc 240
gtttttttat aca 253

<210> 958
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t
<400> 958
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ggggntggcg ggggagggtg cccacaaaaa gaatcaggac ttgtactggg aaaaaaaccc 120
ctaaattaat tatatttctt ggacattccc tttcctaaca tcctgaggct taaaaccctg 180
atgcaaactt ctcctttcag tggttggaga aattggccga gttcaaccat tcactgcaat 240
gcctattcca aactttaaat ctatctattg caaaacctga aggactgtag ttagcgggga 300
tgatgttaag tgtggccaag cgcacggcgg caagttttca agcactgagt ttctattcca 360
agatcataga cttactaaag agagtgacaa atgcttcctt aatgtcttct ataccagaat 420
gtaaatattt ttgtgttttg tgttaatttg ttagaattct aacacactat atacttccaa 480

<210> 959
<211> 323
<212> DNA

<213> Homo sapiens
<400> 959
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ctgtcttgtg agctgatcgc ttggagggtc ctcttttat gttgagttgc tgcttcccgg 120
catgccttca ttttgctatg gggggcaggc agggggggatg gaaaataagt agaaacaaaa 180
aagcagtggc taagatggta tagggactgt cataccagtg aagaataaaa gggtgaagaa 240
taaaagggat atgatgacaa ggttgatcca cttcaagaat tgcttgcttt caggaagaga 300
gatgtgtttc aacaagccaa cta 323

<210> 960
<211> 533
<212> DNA
<213> Homo sapiens
<400> 960
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tgcccttatg tcgacctgag gaaaaagatg ccaagattgc cttgatcaaa gagaaaacaa 120
aaagtcgcta tttccctgcc ttcgaaaaag tgttacagag ccatggacaa gactaccttg 180
ttggcaacaa gctgagccgg gctgacatta gcctggtgga acttctctac tatgtggaag 240
agcttgactc cagccttatc tccaacttcc ctctgctgaa ggccctgaaa accagaatca 300
gcaacctgcc cacggtgaag aagtttctac agcctggcag cccaaggaag cctcccgcag 360
atgcaaaagc tttagaagaa gccagaaaga ttttcaggtt ttaataaagc agccatggag 420
gctaagaaca tgcaagacca atattctaaa gttttgcaac aatgaagtgc tttacttaag 480
tgttgattgt gcctgttgta aagctaatga acccttcca attatatgct aat 533

<210> 961
<211> 472
<212> DNA
<213> Homo sapiens
<400> 961
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ccagtcaaaa actcttctcg gactttggtc caagggtgtg caagacatgc cagtggagat 180
cgttctgagc aaagaaagaa gggagagtaa tagaattggg agggcagaga cttaagggtt 240
ctgcttccca gccctagaaa ttctatcatt gctcagcccc aatgagaaag cagatacacc 300
taagccatca tcaaccacta acatctcaac ttgccagttg ctgggtgctg ggccctggca 360
ggaatgggcc aagccaagca ggggagacta gagagcacca atggccaaca cagctgcctg 420
gctggggagg ctgtgctgtt tcccctggag acctgactgg tctgtggttc cc 472

<210> 962
<211> 495
<212> DNA
<213> Homo sapiens
<400> 962
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tgcatcgcag tgaatttctg gtatgacatg gaatacgacc tcaagtatag ttacttccag 120
ctgctcgact ccctcaccaa ggcttcaggc cttgactgat ggagcactgg tgaacaccac 180
caagcacgcc tcgggggacg gagccagccc ccccctggcc aggtcgagag agcctggagt 240
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ggaatgtggt cataaggact caaggtgcca ggcaggtctg ggtgagggtt ctcaggaagt 360
tgccacacag gtgagcagag tggggatcag gtgcagcggc acctctcccc agcgctgtga 420

tgttgggcga gtcactgcgt ctcgggcatt ggtgtcctgt cagtaaagag ataataatgg 480
ctgtacctcg cgggg 495

<210> 963
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t
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ggtagaatga cagaacttag ggatcccttg caggctagaa caaagttctg acccttagac 120

<210> 964
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t
<400> 964
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tttactgaca gaagggcaag tcttctctcg ttttttgcag ataaaatttt agatgtgttg 120
cattcattgg gtttctatga gatgtggttt tatcagacaa ttttttcttt tatttcacaa 180
ttactttaat atctgtaaaa taaagaatta ttttaattca ttttcccagt cccaaaagtt 240
aaatacaggc cacttacttc tttaaccaaa tgatatagtt tggctctgtg tccccaccca 300
aatctcatgt caaattgtaa tccccgcatg tcagnggagg gacctggtgg gaggtgattg 360
gatcatgggg agggatttcc cccttgctgt tctgttgata gtgaacgagt tctcacgaaa 420
tctgatggtt taaaagtgca gcacttctcc ctttgctctc tctctcctgc tgtgccatgg 480
taagacgtgc cttg 494

<210> 965
<211> 324
<212> DNA
<213> Homo sapiens
<400> 965
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ggcatattac attttccttt gtatatcatt attgaggtta tttgtctgat atgacccaaa 120
gaggcaaaac tcagcacagt cctttctgca gtattctaaa ggtcatcaaa cttcagccta 180
gtgagtctgc ttgtttgatt tggccggaca ttttaagcat ggcagaagtg gtacaagaaa 240
tcatggtatt aagttgaaac cacacccctt agaaaaatcc ttctattaat tcaaataatt 300
tgacgatgct tatgcggttt ctga 324

<210> 966
<211> 478

<212> DNA
<213> Homo sapiens
<400> 966
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atcagaatag caacatttag aacacttttt gttatcagtc aatattttta gatagttaga 120
acctggtcct aagcctaaaa gtgggcttga ttctgcagta aatcttttac aactgcctcg 180
acacacataa acctttttaa aaatagacac tccccgaagt cttttgtttg tatggtcaca 240
cactgatgct tagatgttcc agtaatctaa tatggccaca gtagtcttga tgaccaaagt 300
cctttttttc catctttaga aaactacatg ggaacaaaca gatcgaacag ttttgaagct 360
actgtgtgtg tgaatgaaca ctcttgcttt attccagaat gctgtacatc tattttggat 420
tgtatattgt ggttgtgtat ttacgctttg attcatagta acttcttatg gaattgat 478

<210> 967
<211> 44
<212> DNA
<213> Homo sapiens
<400> 967
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<210> 968
<211> 65
<212> DNA
<213> Homo sapiens
<400> 968
ggaaagcatg tctgctgggt gtgaccatgt ttcctctcaa taaagttccc ctgtgacact 60
caaaa 65

<210> 969
<211> 494
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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<222> (35)..(35)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (45)..(54)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t
<220>
<221> misc_feature

<222> (203)..(257)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (348)..(362)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t
<400> 969
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cagccccttc ctgggtattt attctctatt tattggggat aggagaagag gcatcctgcc 120
tgggtgggac agccccttca gccccttctc ccctccccgc ctggccangg cagggccacc 180
ccactctacc tccttagctt tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnaga gctgacggga ggccccagct ctgaggggag ggggtccgtg 300
gtanangcct ggggccggta gaggctcccc agggctccct tatgtccnnn nnnnnnnnnn 360
nngggtgtgg atgtaattag ctctgggggg cagttgggta gatgggtggg ggctcctggt 420
ggccttntgc tgcccaggcc acagccgcct ttgggttcca tcttgctaat aaacactggc 480
tctgggacta gaaa 494

<210> 970
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (229)..(252)
<223> n is a, c, g, or t
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gccctggctt tgcccgtcag atttgaacga atgtgtgtcc cttgagccca aggagagcgg 120
caggaggggt gggaccaggc tgggaggaca gagccagcag ctgccatgcc ctcctgctcc 180
ccccacccca gccctagccc tttagccttt caccctgtgc tctggaaann nnnnnnnnnn 240
nnnnnnnnnn nnaggaggag caaaaatgag ccagcaccag cgccttggct ttgtgttagc 300
atttcctcct gaagtgttct gttggcaata aa 332

<210> 971
<211> 279
<212> DNA
<213> Homo sapiens

<400> 971
cttctacagg cttttgggaa gtagggtgga tgtgggtagg gctgggagga gggggccaca 60
gcttaggttt ggagctctgg atgtacatac ataagtagga gcagtgggac gtgtttctgt 120
cataatgcag gcatgaaggg tggagtgaag tcaggtcata agtttcatgt ttgcttttgt 180
tttgttttgt ttttaatgta tgtagcagat gttacagtct tagggatccg ggatgggaga 240
ccccacttta gaaagggtcg tcactccttt aatcctcta 279

<210> 972
<211> 145
<212> DNA
<213> Homo sapiens
<400> 972
ctgaacgggc gactgtgtct tgactacctt tcaaaaccag cactgtgtgg gaatgtccgc 60
caggcagagc tcggagcctc attgagacag gggagagaga aagacaaaga ggggaccttc 120
ttccagatgc cttcccagtt gtaac 145

<210> 973
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)..(204)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t
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cagagaacca gccctgctca cgccatgccc gcccccgcct tccctcttcc ctcttccctc 120
tccctgccca gccctccctt ccttcctctg ccggcaaggc agggacccac agtggctgcc 180
tgcctccggg agggaaggan nnnnagggag ggtgggtggg tgggaggggn ccttnnctnc 240
cagggaatgt gactctccca ggccccagaa tagctcctgg acccaagccc aaggcccagc 300
ctgggacaag gctccgaggg tcggctggcc ggagctattt ttacctcccg cctcccntgc 360
tggtcccccc acctgacgtc ttgctgcaga gtctgacact ggattccccc ccctcacccc 420
gcccctggtc ccactcctgc ccccgcccta cctccgcccc accccatcat ctgtggacac 480

tggagtctgg aataaatgc 499

<210> 974
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)..(29)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (44)..(58)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (63)..(139)
<223> n is a, c, g, or t
<400> 974
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tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna ggcctctccc tctgtcagtt ccagaacttc tccctccatg 180
acccactcta tgggaaactc ttcagcacct acctgcgccc cccacacacc tctcgaggca 240
cctcccagac accaaatgcc tcatccccag gcaaccccac tgctctggcc aatgggactg 300
tgcaagcacc caagcagaag ggagactgag tgcctcagcc tctcaccccc tcctcctcag 360
ggcagcgcta ggggcctccc ctatgcctca gccccatctc tgctcctgtt tgaattttg 419

<210> 975
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (120)..(121)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (272)..(326)
<223> n is a, c, g, or t
<400> 975

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agantttgta tgatgctgaa ttattatgca gactaattcc ncccagttga gacacaccan 120
ncttgttcac ttgtatttat tgaaactgtg gattcttgcc cgtgctgtcc cttgtattta 180
ctttaagcac tgatcactta tcattcattc ggtatggttt tccctgtccc ttgtacacat 240
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nnnnnnnnnn nnnnnnnnnn nnnnnncgtg cccaactgag gaacaggaga agaaatcacc 360
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tatggcg 427

<210> 976
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)..(95)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t
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<222> (226)..(226)
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<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (387)..(402)
<223> n is a, c, g, or t
<400> 976
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tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnctccc aggnacccgc tgaatttctg 120
aggccttgct taaagctcag aagtggttta ggcatttgga aaatctggtt cacatcataa 180
agaacttgat ttgaaatgtt ttctatagaa acaagtgcta agtgtnaccg tattatactt 240
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tttaagatta taactggtcc tacattaaaa taatgcttct cgangtcaga ttttacctgt 360
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<210> 977
<211> 493
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t
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<222> (73)..(74)
<223> n is a, c, g, or t
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<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (95)..(96)
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<222> (98)..(98)
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<222> (351)..(351)
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<222> (364)..(378)
<223> n is a, c, g, or t
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nnntggaggc agtgatggag aagcaaaaga agaaggtgga aggcgaggtg gaaatggagg 180
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gacccccgag agggtgcagt ggagccctga gcattgtaat atgcggccca gcctataaac 480
agcctccgtg ctt 493

<210> 978
<211> 1536
<212> DNA
<213> Homo sapiens
<400> 978
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aagggccttc ctgaggcacc tggaaggagg ctgcagtgtg ccagtagccg tgcatacagc 960
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taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1536

<210> 979
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<212> DNA
<213> Homo sapiens
<400> 979
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